

# -ÚŽŸ

## CardWorks 5.20 fKfCfh

CardWorks ,Ö,æ,æ,±,»□BCardWorks ,í f}fCfNf□f\ftfgŽĐ,ì  
 Windows 95 ,É'í%ž,μ□AWindows  
 95,Æ<|'²,μ,Ä" @□ì,·,éæPCfj□[fhf\ftfgfEfFfA,Å,·□BCardWorks  
 ,É,æ,Ä,Ä□Afvf%ofOfAf"fhfvfCEfC(PNP)fffofCfXfhf  
 %ofCfo,ÆŠù'¶,ìPCMCIA fhf%ofCfo,ì"~ŽŽ—~—p,ª%oÄ"\  
 ,Æ,È,è,Ü,·□B



,±,ìfKfCfh,í□ACardWorks ,ðŠÈ'P,ÉŽg,æ•û-@,ðfj" f  
 %ofCf" ,Å□à-¾,·,é,à,ì,Ä,·□B

^È%oo,ìfAf" f\_□[f%ofCf" ,ì•t,ç,Ä,ç,é□€-  
 Ú,ðfNfŠfbfN,·,é,Æ□A□à-¾,ª•\Ž!,³,é,Ü,·□B

## PCfj□[fh ŠT—v

### PCfj□[fh ŠT—v

Žd—l,É,Ä,ç,Ä

fn□[fhfEfFfA,É,Ä,ç,Ä

PCfj□[fh f\pfbfg

PCfj□[fh

- fj□[fh^fCfv (±T,±U,±V)
- ATA fj□[fh
- FAX/f,fff€ fj□[fh
- ftf%ofbfVf...fj□[fh
- LAN/f\fbfgf□□[fN fj□[fh
- SCSI ,",æ,Ñ,»,ì'¼,ìfj□[fh
- SRAM fj□[fh
- f}f<f`ftf@f"fNfvf#f" fj□[fh
- CardBus fj□[fh

CardWorks f\ftfgfEfFfA,ì□\ç

f\ftfgfEfFfA,É,Ä,ç,Ä

CardWorks ,É,Ä,ç,Ä

□æ•W

# ,Í,Ń,Ŕ,É

SystemSoft ŽĐ,ì CardWorks ,íAPCfj[]fh,đŽg,č^Ŏ,č,à,ì,É,μ,Û,·BCardWorks  
,íA,»,,ê,¼,è,ìPCfj[]fh fXf[]fbfg,É,Â,č,ÄAŽ'Si"l,Éfj[]fh[]-[]ã,lfgf%ofuf<,ì"CE©,Æ%ođCE^[]AfŠf  
[]fX,ì<£[]#[]ifRf"ftfŠfNfg[]j,ì  
%oň"đ[]Afj[]fh,ìŠ^"@[]ó<μ,ìŠÄŽ<,É,Ç,đ[]s,č[]APCfj[]fh,đŽg,ɤfAfvfŠfP[]fVf#f",ª-â'è,É,-  
"®[]i,·,é,æ,ɤ,É,μ,Û,·B  
CardWorks ,íAPCfj[]fh fGfLfXfp[]fGfVfXfef€,Æ,μ,ÄA'·'u[]Ý'è,ÉŠŎ,·,é[]Å[]æ'[]<Z[]p,đŽæ,è,č  
,è,½,à,ì,Â,·B,±,lfGfLfXfp[]fGfVfXfef€,í[]AfRf"fsf...[]f^,É,æ,éfefNfjff<fTfj[]fGfAfhfofCfU,ì-đŠ,,đ  
%oÉ,½,μ,Û,·Bf\_fCfAf[]fOf{fbfNfX,đ'É,Ń,ÄA[]fj[]fhfhf%ofCfo,ªCE©,Á,©,ç,É,č,Æ,©[]A[]³,μ,fl  
ftfgfEfffA,ªfCf"fxfg[]f<,³,è,É,©,Á,½,Æ,©[]AIRQ ,â l/Q f[]f[]f[]Šf[]fX,ì<£[]#,ª"[]Ń,μ,Á,č  
,é,Æ,©[]A[]f[]f,š fEfbf"fhfE,lfAf[]fP[]fVf#f",ª[]³,μ,,É,č,È,ÇA^è"É"l,ÈPCfj[]fh,ìCEÝŠ:[]«,©,ç,,éfgf  
%ofuf<,đ[]f'f,μ[]A%ođCE^,·,éfkfCfh,É,È,è,Û,·BCardWorks ,ª,č,Á,½,ňfj[]fh,ì[]-[]ã,ì-  
â'è,đCE©,Á,·,Ä%ođCE^,·,é,ÆAŽŸ,lfj[]fh' }"üŽž,©,ç,íAŽ©"®"l,É[]³,μ,č[]-[]-,ª,É,³,è,Û,·B

# CardWorks ,É,Â,ç,Ä

CardWorks ,íSystemSoft ŽĐ,ìPCfj[]fh fTf[]fg fAfvfŠfP[]fVf#f" ,Á,·[]B  
CardWorks ,É,æ,è[]Aft[]fU[][,²PCfj[]fh,ð—e°Ö,É[]¬,Á,«[]ASÉ'P,ÉŽg—p,·,é,±,Æ,ª,Á,«,Ü,·[]B

## ,í,¶,ß,É

SystemSoft CardWorks ,í[]APCfj[]fh,ðŽg,ç^Ö,ç,à,ì,É,·,é[]A•W[]€"I,È Microsoft Windows 95  
fAfvfŠfP[]fVf#f" ,Á,·[]BCardWorks ,í[]A,»,,é,¼,è,ìPCfj[]fh fXf[]fbfg,É,Á,ç,Ä[]AZ<Šo"l,Éj[]fh[]  
[]¬[]ã,ìfgf%ofuf<,ì"[]CE©,Æ%øðCE^[]AfŠf[]fX,ì<£[]#[]ifRf"ftfŠfNfg[]j,ì  
%øñ"ð[]Afj[]fh,ìŠ^" @[]ó<μ,ìŠÄŽ<,É,Ç,ð[]s,ç[]APCfj[]fh,ðŽg,xfAfvfŠfP[]fVf#f" ,ª[]A-â'è,È,-  
" @[]i,·,é,æ,α,É,μ,Ü,·[]B

CardWorks ,í[]APCfj[]fh fGfLfXfp[]fgfVfXfef€,Æ,μ,Ä[]A'•'u[]Ý'è,ÉŠÖ,·,é[]Å[]æ'[]<Z[]p,ðŽæ,è,ç  
,é,½,à,ì,Á,·[]B,±,ìfGfLfXfp[]fgfVfXfef€,ì[]AfRf"fsf...[]f^,É,æ,éfefNfj[]f<fTfj[]fgfAfhf[]ofCfU,ì-ðŠ,,,ð  
%øÉ,½,μ,Ü,·[]Bf\_fCfAf[]fOf{fbfNfX,ð'É,¶,Ä[]Afj[]fhfhf%ofCfo,²[]CE©,Á,©,ç,É,ç,Æ,©[]A[]³,μ,ñ  
ftfgfE[]fFfA,²[]Cf"fxfg[]f<,³,é,È,©,Á,½,Æ,©[]A[]I[]R[]Q ,â l/O f[]f[]fgfŠf[]f[]fX,ì<£[]#,ª"[]¶,μ,Á,ç  
,é,Æ,©[]A[]f[]f,Š fE[]fBf"fhfE,ìfAf[]fP[]fVf#f" ,ª[]³,μ,,É,ç,È,Ç[]A^ê"É"l,È PCfj[]fh ,ìCEÝŠ:[]«,©,ç,,éfgf  
%øfuf<,ð[]f'f,μ[]A%øðCE^ ,·,é[]KfCfh,É,È,è,Ü,·[]BCardWorks ,ª,ç,Á,½,ñfj[]fh,ì[]¬[]¬[]ã,ì-  
â'è,ðCE©,Á,¬,Ä%øðCE^ ,·,é,Æ[]AZŽ,ìj[]fh' } "üŽž,©,ç,ì[]AZ© " @ "l,É[]³,μ,ç[]¬[]¬,ª,É,³,è,Ü,·[]B

## CardWorks ,Ä%ø½,ª,Á,«,é,©

[fj\[\]fh,ª' } "ü,³,è,½,Æ,«,É%ø½,ª<N,«,é,©](#)

CardWorks ,ðŽg,Á,Ä[]A•K—v,È[]€—Ú,ðŽŸ,©,ç'ì,ñ,Á,,¾,³,ç[]B

- [f\[\]fj...\[\]fRf}f"fh](#)
- [fc\[\]f<fo\[\]](#)
- [\[Wizard\]f{f^f"](#)
- [Pn\[\]P\[\]f\[\]fh,ìŽg—p\[\]—¹](#)

,Ü,½[]ACardWorks ,ð—~—p,·,é[]Û,ì[]A•\Ž!,³,é,Ä,ç  
,é,Ç,ìf\_fCfAf[]fOf{fbfNfX,Á,àfwf<fvfL[][,ð'ìð[]i,Ü,½,ì[]A[F1],ð%øŸ,·[]j,·,é,±,Æ,ª,Á,«,Ü,·[]B

## —pCEê[]W

[,±,±,ðfNfŠfbfN,·,é,Æ\[\]APCfj\[\]fh,â CardWorks ,ì—pCEê\[\]W,ª\Ž!,³,é,Ü,·\[\]B](#)

**f[]fj<fv,ìŽg,ç•ù,ð'm,è,½,ç,Æ,«,ì[]A[F1] ,ð%øŸ,μ,Ä,,¾,³,ç[]B**

## PCfj [fh ŠT—v

**PCfj [fh ŠT—v**, É, í APCMCIA (**Personal Computer Memory Card International Association**)  
<KŠi €'fj [fh, É, Â, ç, Ä, î^ê"É"l, È à-¾,ª, , è, Ü, · BPCfj [fh, ðfNfÆfWfbfgfj [fh, ®, ç, ç  
, ì'â, «,¾, ìRf"fsf... [f^ fffofCfX,Æ [l, ì, Ä, ç, é•û,ª½, ç, æ, x, Å, ·,ª APCfj [fh, ì, » , ê^È ä, ì" \—í, ð"ð, ì, Ä, ç  
, Ü, · B, ±, ±, Ä, í Afñ [fhfEfffA (PCfj [fh, âfPfbfg),Æ Af\ftfgfEfffA<KŠi, É, Â, ç, Ä, ÌZd—l, ð à-  
¾, µ, Ü, · B, ±, ìfZfNfVfþf", í APCfj [fh, ÉŠÖ, ·, é'P, È, éî•ñ, ð¾, é¾, ·, Ä, È, -  
APCfj [fh, ÌZ, Ä,¾, Ü, ' , Ü, È<@"\, ð—%øð, µ, Ä, ç, ½,¾, , ±,Æ, ð—Ü"l,Æ, µ, Ä, ç, Ü, · B

Žd—l, É, Â, ç, Ä

fn [fhfEfffA, É, Â, ç, Ä

f\ftfgfEfffA, É, Â, ç, Ä

# Žd—I,É,Â,č,Ä

PCMCIA [íA Personal Computer Memory Card International Association](#)

,ì“ª•¶Žš,đŽæ,Ä,½,à,ì,Â,·BPCMCIA,íAÄ,ìŽèŠÖ,ÄfNfCefWfbfgfjfh  
ftfCfy,ìŽü•Ö<@Sí,ðA“”½,,ìŽí—p,ìfp[fvfif<fRf“fsf...[f^,ÉU±,·,é,Æ,«,ìA•W€  
%o»,ð<K'è,μ,Ä,č,Ü,·BPCMCIA <KŠi,ìì—,íAčfWf%oñ,μ,đŽg,í,,ÉfVfXfef€,đŠg'£,·,é],Æ,č  
,xfRf“fZfvfg,ÉŠi,Ä,č,Ä,č,Ü,·BÄ%o,íAPCMCIA,ìf,fŠfjfh,¾,·,ì<KŠi,đ”•\,μ,Ü,μ,½B,±  
,é,³fo[fWf#f“,P,Ä,·Bfo[fWf#f“,Q,Ä,íA,»,ì<KŠi,đŠg'£,μAISA fofX,É'í  
%ož,·,éŽü•Ö<@Sí,ì,Ü,Æ,ñ,Ç,³fTfj[fq,³,é,é,æ,æ,É,È,è,Ü,μ,½B

PCfjfh<KŠi,ÆCEÄ,î,é,éÄV,ìfo[fWf#f“,íAV,½,Éf}f<f<ftf@f“fNfvf#f“fjfh,Æ,č,æ<@“\  
,đ'è<,μ,Ä,č,Ü,·B,±,é,É,æ,Ä,ÄAf+U[íA“~,¶fjfh,Ä•j“,ì<@“\iÄ,·V,Ä,Ü,Äj,đ—  
p,·,é,±,Æ,ª,Ä,«,Ü,·B—á,ì,íAFAX^f,fff€<@“\,Æfifbfgf[fNfTfj[fq<@“\,đ“~,¶fjfhä,Ä—  
p,·,é,±,Æ,ª,Ä,«,Ü,·B¼,É,àAf}f<f<fif<fefCfW fjfh(3.3V A5V A12V),â [DMA \(Direct Memory Access\)](#)  
AfAfhfof“fXfh fpf[f]f}f[fWf“fg(APM1.1),É,Ç,ìTfj[fq<@“\,đ'è<,μ,Ä,č  
,Ü,·B,Ü,½A,±,íPCfjfh<KŠi,Ä,íAPCfjfh,ìCEÝ·<«,đŠg'£,·,é,½,ß,ì,č,·,Ä,©,ì<@“\  
,Æ“Žž,É32frfbfg fjfhfofX fCf“f^ftfF[fX,à'è<,³,é,Ä,č,Ü,·B,»,μ,ÄACardWorks,í,±  
,ìf}f<f<ftf@f“fNfvf#f“ fjfhAf}f<f<f<fefCfW fjfhADMAAfY[f€fh frfffACardBus  
fjfh,đTfj[fq,μ,Ä,č,Ü,·B

[fn\[fhfEjFfA,É,Ä,č,Ä](#)

[f\ftfgfEjFfA,É,Ä,č,Ä](#)

# fn [fhfEjFfA,É,Â,ç,Ä

PCMCIA<KŠi, ðfn [fhfEjFfA,Æ,ç,æ  
,ÆA,Ü,Æ,ñ,Ç,ìè±PCfj [fh,ðŽv,ç•,,©,×,Ü,;ªAPCMCIA<KŠi, ðfn [fhfEjFfA,É,íAPCfj [fh,ð}“ü,  
µ,½,èAŽæ,èŠO,µ,½,è,·,éŽó,´æfPfbfg,àŠÜ,Ü,ê,Ü,·B

[PCfj \[fh fPfbfg](#)

[PCfj \[fh](#)

# PCfj[]fh fPfbfg

fPfbfg,É,í[]PCfj[]fh,Æ“—í[]A,³,Ü,´,Ü,ÈÈ`[]ó,âfTfCfY,ª,è,Ü,·[]BfPfbfg,í[]ACE»[]Ý“ì”,,,³,è,Ä,ç,é,Ü,Æ,ñ,Ç,ì [Personal Digital Assistants \(PDA\)](#),â fm[]fgfufbfN fRf“fsf...[]f^,í,ñ,ß[]Afp[]fñ fíf<fRf“fsf...[]f^,ífVfXfef€,É,ç,©,ñ,ßŽæ,è•t,¯,ç,è,Ä,ç,Ü,·[]B,Ü,½[]AfVfXfef€,ðPCfj[]fh fS[]f\_[]^f %ofCf^[][,É’í%ž,·,é,æ,xfAfbfvfOf[]fh,Ä,«,Ü,·[]BfPfbfg,ìŽæ,è•t,¯,ç,è,©,½,ÉSÖÇEW,É,[]Añ fPfbfg,ª,è,í[]PCfj[]fh,ìŠi-{}@“\,ðŠ^—p,Ä,«,Ü,·[]BPCfj[]fh fPfbfg,í 68fsf“,Ä[]Añ fPfbfg,ìCEú,³,É,æ,Ä,Af^fCfv†T,†U,†V,ª,è,Ü,·[]B,»è,¼,è,ìCEú,³,í[]Af^fCfv†TfXf[]fbfg,ª 3.3mm[]Af^fCfv†UfXf[]fbfg,ª 5mm[]Af^fCfv†VfXf[]fbfg,ª 10.5mm ,Ä,·[]Bfm[]fgfufbfN fRf“fsf... []f^,ì,ç,,Ä,©,íf[][]fj,í[]APCMCIA fRf~fbfefB,Éf^fCfv†W,ð<K’è,·,é,æ,x<[],ß,Ä,“è[]A,»ìCEú,³,ì 16mm ,Ü,Ä,Æ,É,é,ÆŽv,í,è,Ü,·[]B,µ,©,µPCMCIA ,í[]A,±,ífTfCfY,ð,Ü,¾³”F,µ,Ä,ç ,Ü,¹,ñ[]B•É,íf[][]fj,É,í[]ACE»[]ó,æ,è,í,,©,ÉCEú,çfXf[]fbfg,ð’ñ[]¥,µ,Ä,ç,é,Æ,±,è,à,è,Ü,·[]B

CE»[]Ý,ífRf“fsf...[]f^,ì’½,- ,í[]AfGf“fhf†[]fU[][,ªPCfj[]fh,ð[]w“ü,·,é,Æ,«,ì’ðŽ^,ð[]L,°,é,½,ß,É[]A•i[]”,ífPfbfg,ª•t’@,µ,Ä,ç ,Ü,·[]Bfm[]fgfufbfN fRf“fsf...[]f^,É,í[]A,Q,Ä,íf^fCfv†UfXf[]fbfg,ð— p^Ó,µ[]Af^fCfv†T,Ü,½,íf^fCfv†U,ìPCfj[]fh,Q-†,ð“~Žž,É’}“ü[]A,Ü,½,í[]A,P-†,íf^fCfv†Vfj[]fh,ª %oo²x,ífXf[]fbfg,É’}“ü,Ä,«,é,à,ì,ª’½,,è,Ü,·[]B

[]V,µ,çPCfj[]fh<KŠi,Ä,í[]ACE»[]Ý,ì5VfefNfmf[]fW,É%oÄ,í[]A3.3Vfj[]fh,Æfvf%ofbfgftfH[]f€ ,É’í,µ,Ä’á“d³,ðfTf[]fg,µ,Ä,ç,Ü,·[]B,³,ç,É’á,çfpf[][][,Ä“@[]),·,éf,[]fRf< fRf“fsf...[]f^ fvf %ofbfgftfH[]f€,í[]”,í[]A’[]%oÄ,µ,Ä,ç,Ü,·[]B,±,è,ç,ífVfXfef€,É,æ,è[]A“d—í,ª[]ß- ñ,³,è[]AfofbfefŠ[][,ìŽö-½,à’.,É,è,Ü,·[]B’á“d—í,ð,x,Ü,Š^—p,·,é,±,Æ,Ä[]APCfj[]fh fvf[]f\_Nfg,É[]A,æ,èCEø%oÉ“ì,È<@“\,ðŽ[],½,¹[]AfofbfefŠ[][ fpf[][]fVfXfef€,ì’t,Ä[]AfGfj<fM[][,ð— LCEø,ÉŽg,x,±,Æ,ª,Ä,«,Ü,·[]B

,³,ç,É[]A[]V,µ,çPCfj[]fh<KŠi,í[]A,Ü,Æ,ñ,Ç^È’O,ì PCMCIA <KŠi,É[]€<,µ,Ä,“è[]ACEÝŠ:[]«,ì %ooü’P[]A[]A”i“d—í,ì’á%oo[]AfpftfH[]fj”fX,ìCEü[]ä,ð<[],ß,éŽs[]è,É%ož,ì,Ä[]A’½[]”,ìSg’£,ð”ö,ì,Ä,ç ,Ü,·[]B[]Ä,à[]d—v,ÉSg’£,í[]A32 frfbfg CardBus Šg’£,Ä[]ACardWorks ,ÄfTf[]fg,³,è,é,æ,x ,É,È,è,Ü,µ,½[]B

## [PCfj\[\]fh](#)

## PCj] [fh

f] [fh f^fCfv (#T,±U,±V)

ATA f] [fh

FAX/f,fff€ f] [fh

ftf%ofbVf...f] [fh

LAN/f]bfgf [fN f] [fh

SCSI, ",æ,Ñ,»,ì'¼,ì] [fh

SRAM f] [fh

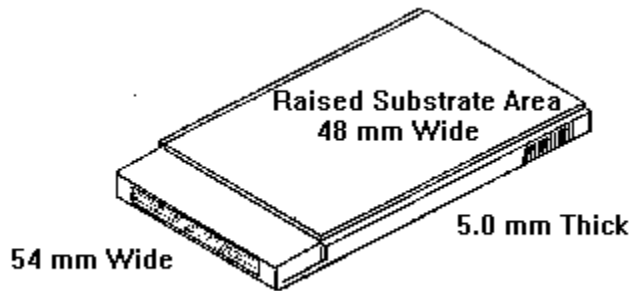
f}f<f`ftf@f"fNfVf#f" f] [fh

CardBus f] [fh



## PCMCIA (Type I, II, III)

PCMCIA (Type I, II, III) — 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100 (85.6mm X 54mm), 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000



[ATA fjh](#)

[FAX/fjh](#)

[ftf%bfVf...fjh](#)

[LAN/fbfbfghfNfjh](#)

[SCSI, ,æ,Ñ,»,ì¼,lfjh](#)

[SRAM fjh](#)

[f}f`ftf@f“fNfVf#f” fjh](#)

# ATA fĵ[fh

ATA(**AT** Attachment) ,Æ,ç,æĒ¾—t,ĪAf^fCfv±U,ĪfŠfbfhfXfeĪfg ATA-ftf%fbfVf...  
fffBfXfN,ÆĪAf^fCfv±V,ĪfĪĪ[fefCfɡfnĪfhffBfXfNfhf%ofCfu,Ī—¼•û,ÉŽg,í,ê,Û,·ĪBATA  
fĵ[fh,ĪĪA•É,Ī<L%o~'•'u (ftfĪfbfsĪĪffBfXfN,â"à' fnĪfhffBfXfN fhf%ofCfu) ,Æ"~,ŀ,æ,æ,ÉŽg—  
p,Ä,«,Û,·ĪB,±,Ī,±,Æ,Ī"~Žž,ÉĪAfhf%ofCfu-¼,ðĒ^,ßĪAŽg—p'O,ÉftfHĪ[f}fbfg,·,é•K—v,ª, ,é,Æ,ç,æ  
,±,Æ,Ä,·ĪB

f^fCfv±V,Ī ATA fĵ[fh,ĪĪAPCfĵ[fh,Ī'†,Ä,ĪĪAĪ'â,Ī—e—É,ª, ,è,Û,·ĪBf^fCfv±V,Ī ATA fĵ[fh—e—  
É,ĪĪA300MB ,ð' ,Ī,é,±,Æ,à, ,è,Û,·ĪB,±,Īf^fCfv,ĪĪAftf%fbfVf...,â SRAM ,Ī,æ,æ  
,É'¼,Īf^fCfv,ĪfĪf,Šfĵ[fh,æ,è,à,Ī,é,©,É'á%o;Ši,Ä,·ĪB,½,¾,µĪAf\  
fŠfbfhfXfeĪ[fɡf^fCfv,ĪĪ»•i,æ,èĪM—ŠĪ«,ÉĒ±,~,é,½,ßĪA'Ī^Ó,µ,ÄŽæ,è^µ,æ•K—v,ª, ,è,Û,·ĪB,±  
,ĪžĪ,Īfĵ[fh,ĪĪTĪd,ÉŽæ,è^µ,Ä,¾,¾,çĪB—Ž,Æ,µ,½,è,·,é,ÆĪAfĵ[fh,ðĪĪ,Ä,~ĪAĪd—  
v,ÉffĪ[f^,ð"Ī¹,·,é%oÄ"Ī«ª, ,è,Û,·ĪB

ATAfĵ[fh,ĪftfHĪ[f}fbfg,É,Ä,ç,Ä,ĪĪA,±,±,ðfNfŠfbfN,µ,Ä,¾,¾,çĪB

[fĵ\[fh\\_f^fCfv \(±T,±U,±V\)](#)

[FAX/f.fff€fĵ\[fh](#)

[ftf%fbfVf...fĵ\[fh](#)

[LAN/flfbfgfĪĪfNfĵ\[fh](#)

[SCSI ,~,æ,Ñ,»,Ī'¼,Īfĵ\[fh](#)

[SRAM fĵ\[fh](#)

[f}f'ftf@f"fNfVf±f" fĵ\[fh](#)

## FAX/f,fff€fj[]fh

FAX/f,fff€fj[]fh,íA'Êí,íFAX/f,fff€,Æ“~,¶<@“\,ðŽ,Á,Ä,ç,Ü,·Bftf@fNfvf~fŠ,ÅA,Ü,½  
fCf“f^[]fjfbfg,âCompuserve ,ì,æ,α,Èfj“f%ofCf“ fVfXfef€,ð'Ê,μ,Äff[]f^,ì—  
ŽóM,<sup>a</sup>,Ä,«,Ü,·BFAX/f,fff€fj[]fh,íA“d~b%ñü,ÉÜ'±,·,é,½,ß,ìhf“fOf< (fsfOfe[]f<),<sup>a</sup>•K—  
v,Ä,·BFAX/f,fff€fj[]fh,ìÉM'→“x,íA2400 ,©,ç 28,800kbps ,ÅA'ÉíAf^fCfv±UfXf[]fbfg,É'í  
%ž,μ,Ü,·B

fj[]fh f^fCfv (#T,±U,±V)

ATA fj[]fh

ftf%ofbfVf...fj[]fh

LAN/fjfbfgf[]fN fj[]fh

SCSI , ,æ,Ñ,»,ì'¼,ìj[]fh

SRAM fj[]fh

f}f<f`ftf@f“fNfvf±f“ fj[]fh

# ftf%fbfVf...fj[fh

ftf%fbfVf...fj[f, fŠj[fh, íA1MB ^È%º, ©, ç 40MB ^Èä, ìAQL, ç"íí, ì—e—Ê, ðŽ, ÂAQM—  
Š«,, çfšfbfhfXfe[f g ff[f^<L%º'·'u, Å, ·Bftf%fbfVf...fj[fh, É, íA•t'®, ·, éAfhfof"fx ftf  
%fbfVf...fj[f, fŠf`fbfv, ðfvf[fOf%fe, µ, ½, èA'€ì, ·, é, ½, ß, ìftfgfEfffA, º•K—v, Å, ·Bfj[fh"Á'è, ìftf  
%fbfVf...fjfffBfA, ÆEðM, ·, é, É, íAfff, fŠ fefNfmffW[f fhf%ofCfo (MTDs) , º•K—v, Å, ·Bfuf[fbfN  
fffofCfX fhf%ofCfo, Å, , éFTL(ftf%fbfVf... fgf%of"fxfCE[fVf#f" fCEfCf,,), ìftf%fbfVf...  
fjfffBfAä, ÅAftf@fCf<fVfXfef€ ff[f^, ð•Ú'¶, ·, é, ±, Æ, ð—U"l, Æ, µ, Å, ç, é, ½ftf@fCf<fVfXfef€  
, Å, ·BFFS, ìftf%fbfVf...fjfffBfAä, Åff[f^, ð<α—L, ·, é, ½, ß, ìftf@fCf<fVfXfef€, Å, ·B

ftf%fbfVf...fj[fh, ìftfH[f}fbfg, É, Å, ç, Ä, íA, ±, ±, ðNfŠfbfN, µ, Ä, ¾, ¾, çB

[fj\[fh f^fCfv \(±T, ±U, ±V\)](#)

[ATA fj\[fh](#)

[FAX/f, fff€fj\[fh](#)

[LAN/flfbfgf\[fN fj\[fh](#)

[SCSI, ", æ, Ñ, », ì¼, ìj\[fh](#)

[SRAM fj\[fh](#)

[f}f`ftf@f"fnVf#f" fj\[fh](#)

## LAN/fjfbfgf[fNfj[fh

LAN (Local Area Network) fj[fh, íA'Éí, ìfjfbfgf[fNfj[fh, Æ“ , ¶<@“\, ðŽ, Á, Ä, ç, Ü, ·BLAN fj[fh, ìfjfbfgf[fNfT[fó[ , Æ, ìÚ'±, ÉŽg, í, è, Ü, ·BLAN fj[fh, É, íA'fjfbfgf[fNfP[fuf< (¼, ß, ì“d~bü, ì, æ, æ, É©, ì, é) , ðÚ'±, ·, ésfOfef[ç< , a•K—v, Å, ·Bfjfbfgf[fNfT[fó[ , ÉÚ'± , ·, è, íA'fT[fó[ , É, , éff[f^fx[fX, âf\ftfgfEjFA, aŠ^—p, Å, «, Ü, ·B, ±, ìff[f^fx[fX, âf\ftfgfEjFA, ì, Ü, Æ, ñ, Ç, íA'f[fNfOf<[fv, âA'fjfbfgf[fN, ÉÚ'±, µ, Å, ç, é¼, ìft[fU[ , Æ<æ—L%oÅ“\ , Å, ·B

fjfbfgf[fNfj[fh, É, í, ç, è, ç, è, ÈŽí—p, a, , è, Ü, ·B—á, Æ, µ, ÄA'fC[fTfjfbfg 10base T A'fC[fTfjfbfg 10base 2 A'IBM 3270 fGf~f...fC[fVf#f“ A'IBM 5250 fGf~f... fC[fVf#f“ A'fCf, fCfXfj[fh, È, Ç, a, , è, Ü, ·B, Ü, ½fg[fNf“fŠf“fO fjfbfgf[fNfT[fó[ , ÉÚ'± , ·, éfg[fNf“fŠf“fO fj[fh, à, , è, Ü, ·B

[fj\[fh f^fCfv \(#T, ±U, ±V\)](#)

[ATA fj\[fh](#)

[FAX/f.fff€fj\[fh](#)

[ftf%oofbVf... fj\[fh](#)

[SCSI , , æ, Ñ, » , ì¼, ìj\[fh](#)

[SRAM fj\[fh](#)

[f}f^f`ftf@f“fNfVf#f“ fj\[fh](#)

# SCSI , , æ, Ñ, » , Ì¼, Ìfj [fh

SCSI (Small Computer System Interface) f [fh, ðŽg—p, , é, Æ [ACD-ROM fhf %ofCfu, È, Ç, ÌŠ• "Žü• Ó<@Ší, ÆfzfXfg fRf"fsf... [f^, ÌŠÖ, Å [ , ' , Éff [f^ " ]' —, Å, «, Ü, · [BSCSI f [fh, í [A, V, Å, Ü, Å, ÌŽü• Ó<@Ší, ðffCfW [f` f [f" , Å [Ü' ±, Å, «, Ü, · [BPCMCIA [€<' , Ì SCSI f [fh, Ì [é [± [A, P, Å, ÌPCf [fh fXf [fbfg, É [ACD-ROM [ASCSI fn [fhffBfXfN fhf%ofCfu [Axf<fk [fC fhf%ofCfu, ð [Ü' ±, Å, «, Ü, · [B

[ , » , Ì¼ ], Ì [€–Ü, É, Ì [AfOf< [fv%o» , Å, «, È, Ç, , , x, Å, Ì PCf [fh, ðŠÜ, ß, Å, Ç, Ü, · [B [ ] » • i, Ì [ \ Ç , ð " Æ " Å, Å [A " Å " è, Ì–Ü " Ì, Ì, ½, ß, É [Y [E v, ³, è, Å, Ç, é, ©, Ç, Å, · [B, ±, Ì [€– Ü, ÉŠÜ, Ü, è, éf [ [fh, É, Ì [AfTfEf " fhf [ [fh [AGPS (Global Positioning System) f [fh [A " Å [f [fh [Afrfff [fh [fh [A]f [f%of [fh [Afy [fWffff [fh, È, Ç, ð , è, Ü, · [BPCf [fh ftfH [ [fè ftf@fNf^ , É " [ [±, Å, «, éf [ [fh, ÌŽí–P, È, Ì– [ " Ì, É, Ì [S [E Å, Ì , è, Ü, ¹, ð [B

[f \[fh^fCfv \(±T, ±U, ±V\)](#)

[ATA f \[fh](#)

[FAX/f,fff€ f \[fh](#)

[ftf%ofbVf... f \[fh](#)

[LAN/f \[fbfgf \[ \[fN f \[fh](#)

[SRAM f \[fh](#)

[f } f< f`ftf@f "fNfVf#f" f \[fh](#)

## SRAM fJ[fh

SRAM fJ[fh, íAftf[fbfs[fffBfXfN[Afn[fhfffBfXfN fhf%ofCfu[Afe[fvfhf%ofCfu“ -I[A[M—  
Š«,ì, éff[f^•Ú‘¶‘•’u,Á,•B,Ù,Æ,ñ,Ç,ì SRAM fJ[fh, íAftf, fŠ, í“à—  
e, ð•ÚŽ, •, é, ½, ß, ì, ³, È“d’r, ð•K—v, Æ, μ, Ü, •B, ±, ì, ½, ß AfJ[fh, È“à’ , ³, ê, Ä, ç, é“d’r—e—  
Ê, Ê, íAâ, ì, , <C, ð”z, Á, Ä, , ¾, ¾, ç BSRAM fJ[fh, ì—e—Ê, íA64K , ©, ç6MB , Ü, Ä, Ä Af^fCfv±T  
fXf[fbfg, È‘í%ž, μ, Ü, •B

SRAMfJ[fh, ìftfH[f}fbfg, È, Á, ç, Ä, íA, ±, ±, ðfNfŠfbfN, μ, Ä, , ¾, ¾, ç B

fJ[fh f^fCfv (±T, ±U, ±V)

ATA fJ[fh

FAX/f, fff€fJ[fh

ftf%ofbfVf...fJ[fh

LAN/flfbfgf[fN fJ[fh

SCSI, , æ, Ñ, », ì‘¼, ìfJ[fh

f}f<f`ftf@f“fNfVf±f“ fJ[fh

## f}f<f`ftf@f“fNfVf#f” fj□[fh

□V,μ,ϕPCfj□[fh<KŠi,É,Í□Af}f<f`ftf@f“fNfVf#f” l/Oj□[fh,đfTf|□[fg,·,é<@“\,ª, ,è,Ü,·□B,±,ê,ç,ìfj□[fh,í□A,P-‡,ìfj□[fh,Ā□A•;□” ,ì<@“\,đft□[fU,É’ñ<Ÿ,μ,Ā,ϕ,Ü,·□B—á,ì,î□A,P-‡,ìPCfj□[fh,Āftf@fbfNfX□^f,fff€fTf|□[fg,Æ“~Žž,É□Af|fbfgf□□[fNfTf|□[fg,à,Ā,«,,é,æ,α,É,È,Á,Ā,ϕ,Ü,·□B

f}f<f`ftf@f“fNfVf#f” fj□[fh,í□Afj□[fh,đ“ü,ê’Ö,ì,,É□A,» ,ì<@“\,đ•î,ì,½,è□AŠg’£,·,é,±,Æ,ª,Ā,«,,Ü,·□B,Ü,½□AfVfXfef€,Ā•K—v,ĚXf□fbfg□” ,đCE, ,ç,·,±,Æ,ª,Ā,«,,Ü,·□B

□V,μ,ϕf}f<f`ftf@f“fNfVf#f” fj□[fh,í□V,μ,ϕPCfj□[fh<KŠi□iPCfj□[fh 16□j,É%o^ ,Á,Ā□A□ì,ç,ê,Ā,¨,è□A,P-‡,ìfj□[fh,Ā,V,Ā,Ü,Ā,ì<@“\,đŽ□,Ā,±,Æ,ª,Ā,«,,Ü,·□B

[fj□\[fh f^fCfv\(‡T,‡U,‡V\)](#)

[ATA fj□\[fh](#)

[FAX/f,fff€fj□\[fh](#)

[ftf%oofbVf... fj□\[fh](#)

[LAN/f|fbfgf□□\[fN fj□\[fh](#)

[SCSI,¨,æ,Ñ,»,ì’¼,ìfj□\[fh](#)

[SRAM fj□\[fh](#)



# CardWorks f\ftfgfEjFfA,ì\‘ç

CardWorks ,ìfvfXfef€ ,É’}“ü,³,ê,½,·, x,Ä,ìPCfj[]fh,ðí,Éf`fFbfN,μ[]AWindows 95,ìfvf %ofOfAf“fhfvfCfC fhf%ofCfo[]A,Ü,½,íCardSoft ,ðŽg,Á,Ä\[]-,ð[]s,ç,Ü,·[]B[]- ,í[]A[]Á[]%o ,ÉfvfXfef€ ,Éfj[]fh,ð’}“ü,μ,½Žž,É[]s,í,ê,Ü,·[]BCardWorks ,í,Ü,·[]%o,ß,ÉPnPfhf %ofCfo,ð’T,μ,Ü,·[]Bfvf%ofOfAf“fhfvfCfCfhf %ofCfo,³CE©,Á,©,ç,É,©,Á,½,è[]Aft[]fU[][,É,æ,Á,Ä’ñ<ÿ,³,ê,È,©,Á,½è[]# ,í[]ACardSoft fhf %ofCfo,ðŽg,ç,Ü,·[]B

Windows 95 í%ož,ìCardWorks fv[]f\_fNfg,íŽÿ,ì,à,ì,ð•¹,¹Ž[],Á,Ä,ç,Ü,·[]B

1. CardSoft - SystemSoft ŽĐ,ìPCfj[]fh<KŠi 16ËP`Ä[]€<’f\ftfgfEjFfA,Á,·[]B

2. Wizard - SystemSoft ŽĐ,ìWindows 95 fAfvfŠfP[]fvf#f“ ,Á[]APCfj[]fhfn[]fhfEjFfA,³ŠÈ’P,É^μ,ì[]Aft[]fU[][,³PCfj[]fh,ð— e^Ö,É[]Ý’è,·,é,±,Æ,³,Á,«,Ü,·[]B

3. DuoDriver[]i“Á<-[]oŠè’t[]jfCf“f^ftfF[]fX,É,æ,Á,Ä[]AWindows 95f,[]fh,ÆPnP f,[]fh,ìj[]fhfT[]frfX,ð“~Žž,É—~—p%oÁ“\,Æ,·,é,± ,Æ,É,æ,è[]A[]Á[]V,ì[]A,»,μ,Ä[]Á[]æ’[ ,ìPCfj[]fhfTfj[]fg,ð’ñ<ÿ,μ,Ü,·[]B

# f\ftfgfEjFfA,É,Â,ç,Ä

Windows 95 í%ž ACardWorks f\ftfgfEjFfA,í,·,x,Ä,í^fCfv,ìPCj\fh,É'í  
%ž,Ä,«,é•L,çPCj\fhÉÝ·«,ž,Ä,Ä,ç,Ü,·BCardWorks ,íAWindows 95  
PCj\fh,ìPCj\fh<@"\,žDuoDriver"i"Á<-oŠè'tj,É,æ,Ä,ÄŠg'É,µ,Ü,·BDuoDriver,É,æ,Ä,Äfvf  
[%fOfAf"fhfvfEfC\(PnP\)ffofCfXfh%ofCfo](#) ,ÆPCj\fhfT\frfX fNf%ofCfAf"fgfhf%ofCfo,ž"Žž,Éžg  
—p,·,é,±,Æ,³,Ä,«,Ü,·BCardWorks ,íŠ®—"x,³,,A<Zp"l,É,à,µ,½PCj\fh f\  
ftfgfEjFfAfpfbfP\W,Ä,·BWindows 95,žTf\fgA•â'«,·,éCardSoft f,\fh,Ä,íAPnPfhf  
%ofCfo,ž,½,É,çPCj\fh,ì\—,à,Ä,«,Ü,·B

CardWorks ,íAÄV,ìPCMCIAH<Æ<KŠi,Ä ,éAPCj\fh<KŠi,É€<',µ,Ä,ç  
,Ü,·B,Ü,½Af}f<f`ftf@f"fNfVf#f" fj\fh, P-‡,Ä,V,Ä,Ü,Ä,ì@"\j,âf}f<f`f{f<fefCfW  
fj\fh(3.3V A5/0V A12VjADMAAfY\fejh frffl,É,Ç,ì,·,x,Ä,ìPCj\fh<@"\A32frfbfg,ì CardBus  
fj\fh,žTf\fg,µ,Ü,·B

CardWorks ,ìŠ—v,É,Ä,ç,Ä,íA%ž,ìŠÖ~A€-Ú,žŽQÆ,µ,Ä,,¾,¾,çB

[PCj\fh f\ftfgfEjFfA,ì\`ç](#)

[Windows 95 fv%ofOfAf"fhfvfEfC](#)

[CardWorks ,ì",«](#)

# PC f\ftfgfEjFfA,ì\‘ç

f\ftfgfEjFfA fhf%oCfo,ª,·,×,Ä,ìPCfj\fh\—,ðs,ç,Ü,·B

EWindows 95,É,æ,évf\feNfg (PnP) f,\fh

ECardSoft f,\fh

PCfj\fh f\ftfgfEjFfA,í,µ,î,µ,îŠK‘w\‘ç,ðŽ,ÂfRf“f\flf“fg,Æ,µ,ÄAŽ!,³,è,Ü,·B,·,×,Ä,ìPCfj\fh f\ftfgfEjFfAÆQ,ì%º^È,ì,Q,Ä,ìfCfCf,,ìAí,ÉfPfbfgfT\frfX,Æf\fhfT\frfX,ÆCEÄ,ì,è,Ü,·Bf\ fPfbfgfT\frfXfCfCf,,ìAfn\fhfEjFfA,É^È‘¶,µAPCfj\fh,Æ,ìŠî- {“l,Èl/ OfVfXfef€fCf“f^ftfF\fx,ðŽæ,è^µ,ç,Ü,·Bfj\fhfT\frfXfCfCf,,ìAfn\fhfEjFfA,É^È‘¶,µ,Ü,¹,ñB CardWorks ,ìA,Q,Ä,ìfj\fhfT\frfX,ðŽg—p,µ,Ü,·B,P,Ä,ìAMicrosoft Windows 95,É,æ,Ä,Äñ<ÿ,³,è,é·A,à,π,P,Ä,ìACardSoft ,Ä,·B,Q,Ä,ìä^ÊfCfxf<,ìf\ftfgfEjFfA PnP,Æf\fhfT\frfXfNf%oCfAf“fgfhf%oCfo,ª, ,è,Ü,·B

CardWorks ,ì•W€,Ä,ç,,Ä,©,ìj\fhfT\frfX fNf%oCfAf“fg fhf%oCfo,ð”ö,ì,Ä,ç ,Ü,·B,»,”à,ì,ð,Æ,Ä,ìCARDID.EXE.,ÆCEÄ,ì,è,Ä,ç,Ü,·BCARDID,Æ,ì“ÁŽê,Éj\fhfT\frfXfNf %oCfAf“fg fhf%oCfoA,à,µ,,ìfX\fp\ fNf%oCfAf“fg fhf%oCfo,ì,±,Æ,Ä,·B ,±,è,ìACardSoft f,\fh,Ä“@ì,·,éŽžAf\fbfgf\Nfj\fh\AI/Oj\fh,ìŽ·É,É %oÄ,ì,ÄA,·,×,Ä,ìFAX^f,fff€iPnP f,\fh\AATAfj\fh,ì\—,ðs,ç,Ü,·B

## Windows 95 fvf%ofOfAf“fhfvfŒfC(PnPj

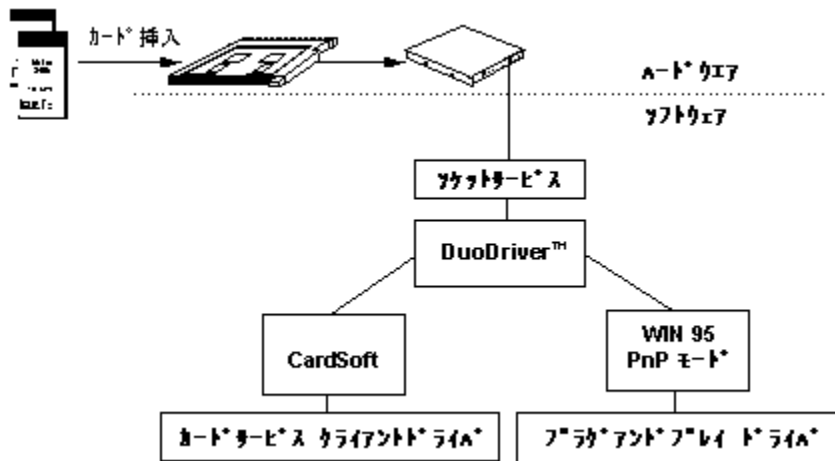
fvf%ofOfAf“fhfvfŒfC, íAWindows 95, ÌŠî- {fe[f}, ì, Đ, Æ, Â, Å, ·Bfvf  
%ofOfAf“fhfvfŒfC, Ì, |, ·û, íAV, µ, çfn[fhfEjFfA·”·i, ðVfXfef€, É'Ç%oÁ, ³, ê, ½, Æ, «AWindows  
95, ð, », Ìfn[fhfEjFfA, ðŒÿ'mAŸ'è, ·, éA, Æ, ç, x, ±, Æ, Å, ·B, ±, è, íPCj[fh, É, àŽæ, è“ü, ê, ç, ê, Ä, ç  
, Û, ·BWindows 95, íPnPfhf%ofCfo, É, æ, Á, ÄA'½,, ÌPCj[fh, ðfTf|fçg, µ, Û, ·, ðAWindows  
95, ÉPnPfhf%ofCfo, ðŽ, ½, È, çPCj[fh, à, , è, Û, ·B

# CardWorks, i, «

Windows 95 í%žACardWorks PCj[fh fvtfgfEjFfA, í, x, Ä, ð^fCfv, ðPCj[fh, Éí  
 %ž, Ä, «, é•L, çPCj[fhÉYŠ•«, ðŽ, Ä, Ä, ç, Ü, •BCardWorks , íAWindows 95 PCj[fh<@“\  
 , ðDuoDriver, É, æ, Ä, ÄSg’£, µ, Ü, •BDuoDriver, É, æ, Ä, ÄAfvf%OfAf“fhfvfCfCffofCfXfhf  
 %ofCfo, ðPCj[fhT[fjXfNf%ofCfAf“fgfhf%ofCfo, ð“Žž, ÉŽg—p, , é, ±, ð, Ä, «, Ü, •B

CardWorks , ðfvfXfef€É’}“ü, ³, è, ½, , x, Ä, ðPCj[fh, ðí, Éf`ffbfN, µAWindows 95, ðfvf  
 %ofOfAf“fhfvfCfC fhf%ofCfoA, Ü, ½, íCardSoft , ðŽg, Ä, Ä\—, ðs, ç, Ü, •B, ±  
 , ðÉ^è, ³, È, ³, è, é, ð, ðAÄ%o, ÉfvfXfef€, Éj[fh, ð’}“ü, µ, ½Žž, Ä, •BCardWorks , í, Ü, , %o, ð, ÉPnPfhf  
 %ofCfo, ðT, µ, Ü, •Bfvf%OfAf“fhfvfCfCfhf  
 %ofCfo, ðÉ©, Ä, ©, ç, È, ©, Ä, ½, èAfT[fU[É, æ, Ä, Ä’ñ<Y, ³, è, Ä, ç, È, çé±, íACardSoft fhf  
 %ofCfo, ðŽg, ç, Ü, •B

ŽŸ, ð}, ð, ²—, , ¾, ³, çB



DuoDriver, í, Ü, , %o, ð, ÉPnPfhf%ofCfo, ð², x, Ü, •B—~p%Ä“\, ÉPnPfhf  
 %ofCfo, ³, È, çé±, íA, » , ðÉãj[fhT[fjX fNf%ofCfAf“fg fhf%ofCfo, ðÉÄ, Ño, µ, Ü, •B

[Žd—l, É, Ä, ç, Ä](#)

[fn\[fhfEjFfA, É, Ä, ç, Ä](#)

# fj [fh, Æfšf [fX î•ñ

, ±, ì%œ-Ê, íA' } "ü, ³, ê, ½PCfj [fh, ð^fCfv, ", æ, Ñ— ~—p%oÂ"\, Êfšf [fX îi/O  
"í^í [AIRQ Af f, fš"í^í [ADMAf`fff"flf< j, É, Â, ç, Ä, ÌŠî- { "I î•ñ, ð'ñ< Ÿ, µ, Û, · B

Ú×, É, Â, ç, Ä, ÍŽŸ, î^ê—, ©, ç'í'ð, µ, Ä,, ¾, ³, ç B

fj [fh î•ñ

I/O "í^í

IRQ

f f, fš"í^í

DMA f`fff"flf<

# CardWorks ,Å%½,ª,Â,«,é,©

CardWorks ,Í,T,Â,ÌPCfj[fhŠî-{@“\,ðŽ,ÂWindows 95,ÌfAfvfŠfP[fVf#f“,Å,·BWindows 95,ªfj[fh\→,ð,·,é,ì,©A,»,ê,Æ,àCardSoft ,ª,·,é,ì,©,ðCE^,ß,é-ðŠ,,,ð,µ,Û,·B,Û,½APCfj[fhî•ñ,ì•Ž!APCfj[fh fCxf“fg,É,æ,é“ ©ìASystemSoft ,Ìfj[fhfT[fxfX,ìY'èAfj[fhfŠf\X,ì£#i%ðí,ðs,ç,Û,·B

CardWorks ,É,ÌŽÿ,ìk@“\,ª ,è,Û,·B

**fgf%ofuf<,ìŽ©“© CEÿo,Æ%ðCE^** - PCfj[fh\→

**'¼Š ‘I,È fvXfef€fŠf[fXŠÇ—** - I/O f[fjgAIRQAf,f,š(CardSoft f,[fh]

**PCfj[fh<KŠi€<fj[fh,ì'Sf^fcfv,ðTf[f]fg** - FAX/f,fff€ALAN AATA  
fn[fhfffBfXfN Af}f<f ftf@f“fNfVf#f“ Af%bfVf...ASRAM AfY[f€fh  
frfff Af}f<f f{f<fefCfWADMA fTf[fjgACardBus fTf[fjg

**ft[fU[fTfCEf“fhfŠ** ,ÈfOf%ftfBfjN fCf“f^ftfF[fX

**fOf%ftfBjff<,È fŠfAf<f^fcf€•Ž!** - ŠefXf[fjBfgî•ñB'S%æ-Ê^fAfCfRf“f,[fh,Å

**,í,©,è Õ,ç** f[fh\→-fpf%off[f^,ì X[V,ÆC³•û-@

**Ž©“©fvf fOf%of€<N“©** - fj[fh'}“üŽž

**fTfEf“fh'É'm** - PCfj[fh'}“ü,Æ”²,«Žæ,èfCxf“fg,ðTfEf“fhftf@fCf<(.WAV ftf@fCf<)  
,ÉSÖ~A•t,~

**Š^“©ó•µ•Ž!** - ,·,×,Ä,Ìfj[fh,ð\→-î•ñ,àŠÛ,ß

**fKfCfh** - [V,µ,çfj[fh,Ìfhf%ofCfo,ð'ð,·,éÛ,É

fj[fh,ª'}“ü,ª,ê,½,Æ,«,É%½,ª<N,«,é,©

# fj[fh, a'} "ü, 3, ê, 1/2, Æ, «, É%oo1/2, a<N, «, é, ©

, ±, ì"š, !, íA"KØ, Éfj[fh, a\ - , 3, ê, Ä, ç, é, ©, Ç, x, ©, Å^á, ç, Ü, ·BCardWorks , íA f j[fh, a\ - , 3, ê, Ä, ç, é, ©A, ç, È, ç, ©, ð, Q, Ä, ì·û-@, Å'm, ç, 1, Ä, , ê, Ü, ·Bfj[fh, ð' "ü, µ, 1/2, Æ, «ACardWorks , í, P%ooñ, ©, Q%ooñ, ífr[fv%oo1, ð-Ä, ç, µ, Ü, ·Bfr[fv%oo1, a, P%ooñ-Ä, éêê, íPCfj[fh, a\ - , 3, ê, Ä, ç, È, ç, ±, Æ, ðŽ!, µA, Q%ooñ-Ä, éêê, ífj[fh, a\ - , 3, ê, Ä, ç, é, ±, Æ, ðŽ!, µ, Ü, ·Bfr[fv%oo1, Æ, í·É, ÉACardWorks , ífRf"fsf...[f^, É' "ü, 3, ê, 1/2fj[fh, É, Ä, ç, ÅA, í, ©, è^Ö, çfbfZ[fW, ð·\Ž!, µ, Ü, ·Bfj[fh, a\ - , 3, ê, é, ÆACardWorks , íA' "ü, 3, ê, 1/2fj[fh, ífAfCfRf" , ð·\Ž!, µA, » , ífj[fh, ÉŠ,, è"- , Ä, ç, è, Ä, ç, éfŠf[fX, ð" , !, Ä, , ê, Ü, ·B Y'è, 3, ê, Ä, ç, È, çfj[fh, ìêêA%oo©F, ífNfGfXf^fj^f} [fN, ©A, à, µ,, í[w], a·t, ç, 1/2fAfCfRf" , ð·\Ž!i, ±, è, íA, » , íY'è, aPnPf, [fh]ä, Ås, í, è, Ä, ç, é, í, ©ACardSoft f, [fh]ä, Ås, í, è, Ä, ç, é, í, ©, É, æ, Á, Ä^á, xj, µA f j[fh, a\ - , 3, ê, Ä, ç, È, ç, ±, Æ, ð" , !, éfbfZ[fW, ð·\Ž!, µ, Ü, ·B

# fj[fh, a\ - , 3, ê, Ä, ç, é

fr[fv%oo1, a, Q%ooñ-Ä, Ä, 1/2, çACardWorks , afVfXfef€fŠf[fX, ðŠù, Éfj[fh, ÉŠ,, è"- , Ä, Ä, ç, é, ±, Æ, ðŽ!, µ, Ü, ·B 1/4, ìŽü·O<@Ší, Æ" , ¶, æ, x, Éfj[fh, ðŽg, x, ±, Æ, a, Ä, «, Ü, ·Bfj[fh, ì\ - , É, Ä, ç, ÄŠmM, a-3, , è, íA[Wizard]f{f^f" , ðfNfŠfbfN, µ, Ä, , 3/4, 3, çB

# fj[fh, a\ - , 3, ê, Ä, ç, È, ç

, P%ooñfr[fv%oo1, a-Ä, èACardWorks , íA f j[fh, ð\ - , ·, é, ±, Æ, a, Ä, «, È, ©, Á, 1/2, ±, Æ, ðŽ!, µ, Ü, ·B[Wizard]f{f^f" , ðfNfŠfbfN, µ, ÄACardWorks , É-â'è, ð%ðCE^, µ, Ä, à, ç, ç, Ü, ·B

# fj[fh, a" FŽ^ , 3, ê, Ä, ç, È, ç

, P%ooñfr[fv%oo1, a-Ä, èA, ±, ífj[fh, af[fh, 3, ê, Ä, ç, éf f t f g f E f f f A, É" FŽ^ , 3, ê, Ä, ç, È, ç, ±, Æ, ðŽ!, µ, Ü, ·Bfj[fh, ðŽ^·É, 3, 1, é, É, íA[Wizard]f{f^f" , ðfNfŠfbfN, µ, Ä, , 3/4, 3, çB



## f[]fj[]f...[] [ fRf}f“fh

[\[ftf@fCf<\]](#) CardWorks ,ì[]|—<sup>1</sup>,í[]A[ftf@fCf<],đ'í'đ,μ,Û,·[]B

[\[•\Ž!\]](#) CardWorks fŠ^[] [fX fEfBf“fhfE,đŠ],<,Û,·[]B

[\[fAfNfVf#f“\]](#) —~—p%oÅ“\,È CardWorks fAfNfVf#f“,©,ç'í'đ,μ,Û,·[]B

[\[flfvVf#f“\]](#) fj[] [fh' } “üŽŽ,Æ”<sup>2</sup>,«Žæ,èŽŽ[]A“ dÆ<sup>1</sup>ŠÇ—[],l[]f[] “[] ^[] flft[] Afhf%ofCfo<@”\,ì'Ç  
%oÅ[]E[]í[]œ,lfCxf“fg,đ•í[]X,μ,Û,·[]B

[\[fEfBf“fhfE\]](#) CardWorks fEfBf“fhfE,ì•\Ž!,đ[]®—ñ,<sup>3</sup>,<sup>1</sup>,Û,·[]B

[\[fwf<fv\]](#) fwf<fv,Æfo[] [fWf#f“ []î•ñ,đ•\Ž!,μ,Û,·[]B

**[ftf@fCf<]f fzf...[**

**[ftf@fCf<]f fzf...[**,É,ÍA[**l-1**],<sup>a</sup>, ,è,Ü,·B,±,ìf fzf...[ ,đ'ı'đ,·,é,ÆACardWorks  
fAfvfŠfP[fVf#f",<sup>a</sup>l-1,μ,Ü,·B

☐I—<sup>1</sup>☐iftf@fCf< f☐fjf...☐[☐j

CardWorks ,đ☐I—<sup>1</sup>,μ,Ü,·☐B

**[fAfNfVf+f“]f fzf...[**

Ú×,É,Â,ç,Ä,ÍA%º,ì€-Ú,ðNfŠfbfN,μ,Ä,,¾,³,çB

Wizard

Žg-p|—<sup>1</sup>

# [•\Ž:]f□fjf...□[

□Ú□×,É,Â,č,Ä,Í□A[•\Ž:]f□fjf...□[,ìŠe□€-Ú,šfNfŠfbfN,μ,Ä,,¾,¾,¾,č□B

f□[fh□î•ň

I/O "í^í

IRQ

f□f,fŠ"í^í

DMA f`fff"flf<

f,fWf...□[f<

fvf□fpfefB

fc□[f<fo□[

fXfe□[f^fXfo□[

**fj[fhî•ñi\Ž!fjfj...[[]**

PCfj[fh,Æ,²Žg—p,lfRf“fsf...[f^,“,æ,Ñ—~—p%oÂ“\,ÈfŠf[fX[i/O  
“í^íAIRQ[Af[f,š“í^íADMAf`fff“flf<[]j,É,Â,ç,Ä,ìî•ñ,ð•Ž!,μ,Û,·B



**fofbfefŠ[l,ìó'Ô:**

SRARAM fj[fh fofbfefŠ[l,ìó'Ô,đ•\Ž!,μ,Û,·B•\Ž!,ì%Å"\<<íA,È,μE'áEOK ,Å,·B

**f%ofCfgyvf[feNfg:**

ftf%ofbfVf... fj[fh,Û,½,íSRAM fj[fh,lf%ofCfgyvf[feNfg,ìó'Ô,đ•\Ž!,μ,Û,·i—  
LCEø,Û,½,í-³CEøjB

[fj][fhî•ñ]‰æ-Ê,É,íA[Wizard]f{f^f“,à•\Ž!,³,è,Ä,ç,Û,·B,ç,Â,Â,à[Wizard]  
,đ:N“@i'l'đj,Å,«A[f'f,đs,Á,ÄŽ©“@“l,ÉY'èã,lfgy%ofuf<,đC³,Å,«,Û,·BCardWorks  
,íAfj[fh\[-,Æ,ç,κ'ã,«,É-đŠ,,,đ%Ê,½,μ,Û,·B[Wizard],ª'l'đ,·,é“à-e,ªft[fU[.É“KØ,©,ç,κ  
,©,đŠm“F,·,é,½,ßAf\_fCfAfO f{fbfNfX,ªŠj,©,é,é,±,Æ,à, ,è,Û,·B

[Wizard]f{f^f“

'Ç%Áî•ñ,đ•\Ž!,·,é,É,íA[•\Ž!}fjff...[.,©,çvf[fpfefB,đ'l'đ,·,é,©A'l'đ,μ,½j[fh,ì%E'κ  
,lf{f^f“,đfNfŠfbfN,μ,Ä,,¾,³,çB



I/O "Í^Íi•\Ž!fƒj...[]

“Á•Ê,È’®«i<ó,«AŽg—pĪA—\-ňĪA•iŠÜAœŠOj,É,æ,èA/O "Í^Í,đfŠfXfgfAfbfv,μ,Û,·B



<ó,«fŠf[]fX

<ó,«fŠf[]fX,Æ,í[]APCfj[]fh[]\[]→,ì,½,ß,É[]ACardWork ,<sup>a</sup>—~—p,Å,«,éfŠf[]fX,Å,·[]B  
[\*<ó,«\*]fŠf[]fX,<sup>a</sup> "Š—LŽÖ" ,đŽ[],Å,±,Æ,í, ,è,Ü,<sup>1</sup>,ň[]B

## Žg—p□İfŠf\□[fX

Žg—p□İfŠf\□[fX, íA—~—p, Å, «, È, çfŠf\□[fX, Å□A□V, ½, É'}“ü,<sup>3</sup>, ê, ½PCfj□[fh, ì□□¬, É, ÍŽg—  
p, Å, «, È, çfŠf\□[fX, Å, ·□B“□Š—LŽÒ“, ì—“, É, í□AfŠf\□[fX, ìGE»□Ý, ìft□[fU□[,<sup>â</sup>•\Ž,<sup>3</sup>, ê, Ü, ·□B, ±, ì  
—“, É, í□A“fVfXfef€“, ©fŠf\□[fX, ðŽg, Á, Ä, ç, éPCfj□[fh, ì—¼‘O,<sup>â</sup>•\  
Ž,<sup>3</sup>, ê, Ü, ·□B“fVfXfef€“, í□APCfj□[fhŠÖ~A, Å, í, È, ç‘•‘u,<sup>â</sup>fŠf\□[fX, ðŽg, Á, Ä, ç, é, ±, Æ, ðŽ, μ, Ü, ·□B

## —\-\-ñ□İfŠf□[fX

—\-\-ñ□İfŠf□[fX, í□A<ó, «fŠf□[fX, í“Á•Ê, Êf^fCfv, Å, ·□Bfj□[fh, É, æ, Á, Ä, í□A—~ —p, Å, «, éCEÀ, è, Ç, İfŠf□  
□[fX, Å, àŽg, x, ±, Æ, a, Å, «, Ü, ·, a□A“Á’è, İfŠf□[fX, ð—v<□, ·, éfj□[fh, à, , è, Ü, ·□B, Ç, İfŠf□[fX, Å, à, ç  
, çfj□[fh, É□A•Ê, İfj□[fh, Å—v<□, a, è, é“Á’è, İfŠf□[fX, ðŽg, x, ±, Æ, í□A, “Š©, ß, Å, «, Ü, 1, ñ□B, ±  
, İ, ½, ß, É□A<ó, «fŠf□[fX, ð—\-\-ñ□İfŠf□[fX, É□Ø, è’Ö, İ, é, ±, Æ, a, Å, «, Ü, ·□B

’□^Ö: fŠf□[fX□Ý’u, í□Afpf□□[ft□[fU□[—p, İCardWorks , İ□ê-å“İ, È<@“\, Å, ·□B’Ê□í, í□AfvfXfefŠf□  
□[fX, İ□Á□Ý’è, ð, ·, é•K—v, İ, , è, Ü, 1, ñ□B

CardWorks , İWindows 95, a—v<□, µ, È, çCEÀ, è□AfŠf□[fX, ð—\-\-ñ, µ, Ä, “, «, Ü, ·□B  
, ç, Á, ½, ñ□AWindows 95, aİfŠf□[fX, ðŽg—p, ·, é, Æ□A, à, x—\-\-ñ, µ, Ä, “, , ±, Æ, İ, Å, «, Ü, 1, ñ□B

I/O “í’í, İ—\-\-ñ

IRQ , İ—\-\-ñ

f□f, fŠ“í’í, İ—\-\-ñ

DMA f`fff“flf<, İ—\-\-ñ

# I/O "ÍÍ,ì—\-ñiCardSoftf,[]fh,ì,Y[]

—\-ñ,·,é,½,ß,É,Í[]AfŠf[]fX,ª—~—p%oÅ" (\*<ó,«\*) ,Å,È,¯,ê,Î,È,è,Û,¹,ñ[]B—~—p,Å,«,È,çfŠf[]fX,ð  
—\-ñ,·,é,±,Æ,Í,Å,«,Û,¹,ñ[]B—\-ñ,ì[]Å[]%o,ìfXfefbfv,Í[]A,Û,·, [ <ó, « ] f { f ^ f " , ð f N f Š f b f N , μ , Å [] A — \ -  
ñ,μ,½,ç I/O "ÍÍ,ìŠJžnfAfhfCEfX,ÆfTfCfY,ðŠm" F,μ,Å,·,±,Æ,Å,·[]BŽŸ,É[]A[—\ -  
ñ[]í]f { f ^ f " , ð f N f Š f b f N , μ , Å , © , ç [] A [ ' Ç % o Å ] f { f ^ f " , ð f N f Š f b f N , μ [] A [ — \ - ñ , · , é / O " Í ^ Í , ð ' Ç  
%oÅ]f\_cfAf[]fOf{fbfNfX,ð·\Ž!,μ,Û,·[]B

f}fEfX,ðŽg,Á,Ä[]A—\-ñ,μ,½,ç I/O "ÍÍ,ìŠJžnfAfhfCEfX,Æ[]—¹fAfhfCEfX,ð'Í'ð,μ,Û,·[]BCardWorks  
,Í[]A,·,x,Ä,ì"—\-ñ%oÅ"\,È" I/O "ÍÍ,ð,Wfrfbfg'P^É,Å·\Ž!,μ[]A·s[]³,É[]Y'è,ª,Å,«,È,ç,æ,x  
,É,μ,Û,·[]B,Û,½[]ACardWorks ,ÍŽw'è,μ,â,·,ç,æ,x,É,μ,Û,·[]B—  
á,!,Í[]AŠJžnfAfhfCEfX,ð'Í'ð,·,é,Æ[]AŽ©"®"Í,É[]A[]I—  
¹]f { f b f N f X " à , É Š J ž n f A f h f C E f X , Ì ^ È ' u , © , ç , W f r f b f g - Û , Ì [] A ~ \_ [] [] — ¹ f A f h f C E f X , ª , Û , · \ Ž ! , º , é , Û , · [] B —  
LCEø,É I/O "ÍÍ,ì—\-ñ,ªŠm'è,μ,½,ç[]A[OK]f { f ^ f " , ð f N f Š f b f N , · , é , Æ [] A [] Y ' è , μ , ½ " Í ^ Í , º Ž © " ® " Í , É — \ -  
ñ[]í,É,È,è,Û,·[]B

# IRQ , ì—\-ñ iCardSoftf, [fh, ì, Ý]

—\-ñ, , é, ½, ß, É, Í AfŠf [fX, ã—~ —p%oÂ" \ (\*<ó, «\*) , Å, È, , ê, Î, È, è, Ü, ¹, ñ B—~ —p, Å, «, È, ç Šf [fX, ð  
—\-ñ, , é, ±, Æ, Í, Å, «, Ü, ¹, ñ B—\-ñ, ì Å %o, ì Xf efbfv, Í A, Ü, , —\-ñ, µ, ½, ç IRQ  
, ã, Ç, è, ©, ð Šm" F, µ, Ä, , , ±, Æ, Å, · B Ž Ÿ, É A [—\-ñ i] f {f ^ f" , ð f Nf Š f b f N, µ, Ä, ©, ç A [ ' Ç  
%o Å] f {f ^ f" , ð f Nf Š f b f N, µ A [—\-ñ, , é IRQ, ð ' Ç %o Å] f f C f A f f O f {f b f N f X, ð • Ž !, µ, Ü, · B

f} f E f X, ð Ž g, Á, Ä A—\-ñ, µ, ½, ç IRQ , ð ' ð , µ, Ü, · B CardWorks , Í A, , x, Ä, ì "—\-ñ %o Å" \, È" IRQ  
" Í ' Í, ð • Ž !, µ A • s ³, È Ÿ ' è, ã, Å, «, È, ç, æ, x, É, µ, Ü, · B—\-ñ, , é IRQ  
, ð ' ð , µ, ½, ç A [OK] f {f ^ f" , ð f Nf Š f b f N, , é, Æ A, » , ì IRQ , ð Ž © " ® " Í, É—\-ñ, ³, è, Ü, · B

# fj, fš"í^í, ì—\—ñiCardSoftf, [fh, ì, ýj

—\—ñ, ·, é, ½, ß, É, Í Afšf [fX, a—~ —p%oA" (\ (\*<ó, «\*) , Å, È, ¯, ê, Î, È, è, Ü, ¹, ñ B—~ —p, Å, «, È, çšf [fX, ð  
—\—ñ, ·, é, ±, Æ, Í, Å, «, Ü, ¹, ñ B—\—ñ, ì Å %o, ìfXfefbfv, Í A, Ü, , —\—  
ñ, µ, ½, çf [f, fš"í^í, ìšžnf AfhfçfX, ÆfTfçfY, ðšm" F, µ, Å, ¯, ±, Æ, Å, · Bžÿ, É A [—\—  
ñ [í] f {f^f" , ðfNfšfbfN, µ, Å, ©, ç A ['Ç%oA] f {f^f" , ðfNfšfbfN, µ A [—\—ñ, ·, éf [f, fš"í^í, ð'ç  
%oA] f çf Af [f Of {fbfNfX, ð·\ž, µ, Ü, · B

f}fEfX, ðžg, Á, Ä A—\—ñ, µ, ½, çf [f, fš"í^í, ìšžnf AfhfçfX, Æ A—¹f AfhfçfX, ð'í ð, µ, Ü, · B CardWorks  
, Í A, ·, x, Å, ì"—\—ñ%oA" \, È" f [f, fš"í^í, ð 4K "í^í, Å·\ž, µ A·s³, È Y'è, ð, Å, «, È, ç, æ, x  
, È, µ, Ü, · B, Ü, ½ A CardWorks , ìžw'è, µ, à, ·, ç, æ, x, È, µ, Ü, · B—  
á, ì, Í Ašžnf AfhfçfX, ð'í ð, ·, é, Æ Až © "®" I, È A [í—¹] f {fbfNfX" à, Èšžnf AfhfçfX, ì^È'u, ©, ç 4K -  
Ú, ì~ — A—¹f AfhfçfX, ð, Ü, , ·\ž, ³, ê, Ü, · B—LCEø, Èf [f, fš"í^í, ì—\—  
ñ, ðšm'è, µ, ½, ç A [OK] f {f^f" , ðfNfšfbfN, ·, é, Æ A A Y'è, µ, ½"í^í, ðž © "®" I, È—\—ñ [í, È, È, è, Ü, · B



## DMA f`fff“flf<,ì—\—ñ□iCardSoftf,□[fh,ì,Ý□j

—\—ñ,·,é,½,ß,É,Í□AfŠf□[fX,ª—~—p%oÂ“\ (\*<ó,«\*) ,Å,È,¯,ê,Î,È,è,Û,¹,ñ□B—~—p,Å,«,È,çfŠf□[fX,ð  
—\—ñ,·,é,±,Æ,Í,Å,«,Û,¹,ñ□B—\—ñ,ì□Å□%o,ìfXfefbfv,Í□A,Û,·—\—ñ,μ,½,çDMA  
f`fff“flf<,ðŠm”F,μ,Ä,·,±,Æ,Å,·□BŽÝ,É□A[‘Ç%oÅ]f{f^f“,ðfNfŠfbfN,μ□A[—\—ñ,·,éDMA  
f`fff“flf<,ð‘Ç%oÅ]f\_CfAf□Of{fbfNfX,ð·Ž!,μ,Û,·□B

f}fEfX,ðŽg,Á,Ä□A—\—ñ,μ,½,çDMA f`fff“flf<□i0 ,©,ç 7□j,ð‘I’ð,μ,Û,·□B—LÆø,ÈDMA f`fff“flf<,ì—\—  
ñ,ªŠm’è,μ,½,ç□A[OK]f{f^f“,ðfNfŠfbfN,·,é,Æ□A□V,μ,çDMA f`fff“flf<,ªŽ©“®“I,É—\—  
ñ□í,É,È,è,Û,·□B

## •iŠÜ,·,éſſf\[]fX[]iCardSoftf,[]fh,ì,Y[]

•iŠÜ,·,éſſf\[]fX,[]A“Á·Ê.Èf^fcfv,ì<ó,«fſſf\[]fX,Á,·[]B·iŠÜ,·,éſſf\[]fX,Æ,í[]A-{—^,íŽg—p[]í,lfſſf\[]fX,Á,·[]B<N“@Žž,ÉCardWorks ,əfvfXfef€“à•”,đfXfLfff“ ,·,é,Æ,«[]AfVfXfef€fſſf\[]fX,í^ê—•\ ,đ[]i[]—,μ,Ü,·[]B,μ,©,μ[]ACE»[]Ý,ì,Æ,±,éſſf\[]fX fXfLfffj“fO ft[]f[]Bfſſf\[]fX,í[]A,·,x,Ä,lfvf %fbfgftfH[]f€,Á,İ@‘S,Ê^ê—•\,đ[]i[]—,·,é,±,Æ,í,Á,«,Ü,<sup>1</sup>,ñ[]B,±,ì,<sup>1</sup>/<sub>2</sub>,BCardWorks ,Á,lf[]f[]fU[][,“ÆŽ©,É,ÉfvfXfef€fſſf\[]fX,đ[]Ý^è,·,é,±,Æ,<sup>3</sup>,Á,«,Ü,·[]B,<sup>1</sup>/<sub>2</sub>,Æ,ì CardWorks ,əfvfXfef€fſſf\[]fX,əŽg—p[]í,Æ”»‘f,μ,Á,à[]AZÁ[]Ü,É,ì,»,lfvfXfef€fſſf\[]fX,ā—~—p%oÄ“\,Á, ,é,± ,Æ,đ‘m,Á,Á,ç,è,ì[]A,»,lfvfXfef€fſſf\[]fX,đ·iŠÜ,μ[]APCfj[]fh[]\[]—Žž,É,»,lfſſf\[]fX,đ—~— p,Á,«,Ü,·[]Bfſſf\[]fX,đ·iŠÜ,·,é,Æ[]A,»,lfſſf\[]fX,ì<ó,«fſſf\[]fX,Æ,μ,Á·\Žì,<sup>3</sup>,è,Ü,·[]B

‘[]^Ó: fſſf\[]fX[]Ý^è,í[]Afpf[]f[]f[]fU[][—p,ìCardWorks ,ì[]ê-â“ì,È<@“\,Á,·[]B^Ê[]í,í[]AfVfXfef€fſſf\[]fX,ì[]Ä[]Ý^è,đ,·,é·K—v,ì, ,è,Ü,<sup>1</sup>,ñ[]Bfſſf\[]fX,ì—~—p%oÄ“\[]«,ÉŠm[]M,<sup>3</sup>,É,ç[]è[]#,í[]A,»,lfſſf\[]fX,đ·iŠÜ,<sup>3</sup>,ì,Á,í,ç,~,Ü,<sup>1</sup>,ñ[]B

[I/O "í^í,ì·iŠÜ](#)

[IRQ,ì·iŠÜ](#)

[f\[\]f,ſſ“í^í,ì·iŠÜ](#)

[DMA f`fff“f\[\]f,ì·iŠÜ](#)

# I/O "Í"í,ì•išÜ

fšfX,ì•išÜ,íACardWorks ,<sup>a</sup>—~—p,Å,«É,ç,Æ"»'f,μ,½fšfX,ðAfj[fh\—žž,Éžg,!,é,æ,κ  
É,·,é,½,β,ì,à,ì,Å,·BI/O "Í"í,ì•išÜ,ì,½,β,ìÅ%o,lfXfefbfv,íA,Ü,·•išÜ,μ,½,ç I/O

"Í"í,ìšžnfAfhfçfX,ÆfTfçfY,ðšm"F,μ,Å,·,±  
,Æ,Å,·BžŸ,ÉA[•išÜ]f{f^f",ðfNfšfbfN,μ,Å,©,çA['Ç%oÅ]f{f^f",ðfNfšfbfN,μA[•išÜ,·,é/  
O"Í"í,ð'Ç%oÅ]f\_cfAfjOf{fbfNfX,ð•ž!,μ,Ü,·B

f}fEfX,ðžg,Á,ÄA•išÜ,μ,½,ç I/O "Í"í,ìšžnfAfhfçfX,ÆI—<sup>1</sup>fAfhfçfX,ð'ì'ð,μ,Ü,·BCardWorks  
,íA,·,x,Å,ì"•išÜ%oÅ"É" I/O "Í"í,ð,Wfrfbfg'P^É,Å•ž!,μA•s<sup>3</sup>,ÉY'è,<sup>a</sup>Å,«É,ç,æ,κ  
,É,μ,Ü,·B,Ü,½ACardWorks ,Ížw'è,μ,â,·,ç,æ,κ,É,μ,Ü,·B—

á,!,ìšžnfAfhfçfX,ð'ì'ð,·,é,ÆAZ©"®"I,ÉA[I—  
<sup>1</sup>f{fbfNfX"à,ÉšžnfAfhfçfX,ì^È'u,©,ç,Wfrfbfg—Ü,ì~—I—<sup>1</sup>fAfhfçfX,<sup>a</sup>Ü,·,·\  
ž!,<sup>3</sup>,é,Ü,·B•išÜ,·,é I/O  
"Í"í,<sup>a</sup>šm'è,μ,½,çA[OK]f{f^f",ðfNfšfbfN,·,é,ÆA[Ÿ'è,μ,½"Í"í,ž©"®"I,É•išÜ,<sup>3</sup>,é,Ü,·B

# IRQ ,ì•iŠÜiCardSoftf,[]fh,ì,Y[]j

fŠf[]fX,ì•iŠÜ,íA*CardWorks*,<sup>a</sup>—~—p,Å,«È,ç,Æ”»'f,μ,½fŠf[]fX,ðAfj[]fh[]\[]—Žž,ÉŽg,!,é,æ,κ  
,É,·,é,½,β,ì,à,ì,Å,·BIRQ,ð•iŠÜ,·,é,Æ,«,ìÅ[]%o,lfXfefbfv,íA,Ü,·,•iŠÜ,μ,½,ç IRQ  
,<sup>a</sup>,Ç,ê,©Šm”F,μ,Å,“,±,Æ,Å,·BŽÝ,ÉA[•iŠÜ]f{f^f“,ðfNfŠfbfN,μ,Å,©,çA[‘Ç  
%oÅ]f{f^f“,ðfNfŠfbfN,μA[•iŠÜ,·,éIRQ,ð’Ç%oÅ]f\_CfAf[]Of{fbfNfX,ð•\Ž!,μ,Ü,·B

f}fEfX,ðŽg,Á,ÄA•iŠÜ,μ,½,ç IRQ,ð'ì'ð,μ,Ü,·B*CardWorks*,íA,·,x,Ä,ì "•iŠÜ%oÅ"\,È" IRQ  
"í^í,ð•\Ž!,μA•s<sup>3</sup>,ÈÝ'è,ð,Å,«È,ç,æ,κ,É,μ,Ü,·B•iŠÜ,·,é IRQ  
,ð'ì'ð,μ,½,çA[OK]f{f^f“,ðfNfŠfbfN,·,é,ÆA,»,ì IRQ,<sup>a</sup>Ž©“®“ì,É•iŠÜ,<sup>3</sup>,ê,Ü,·B

# f[]f,fš"í^í,ì•išÜ[]iCardSoftf,[]fh,ì,ý[]j

fš[]f[]fX,ì•išÜ,í[]ACardWorks ,ª—~—p,Å,«,È,ç,Æ"»'f,µ,½fš[]f[]fX,ð[]Afj[]fh[]—žž,Éžg,!,é,æ,κ  
É,·,é,½,β,ì,à,ì,Å,·[]Bf[]f,fš"í^í,ì•išÜ,ì,½,β,ì[]Å[]%

,lfXfefbfv,í[]A,Ü,·•išÜ,µ,½,çf[]f,fš"í^í,ìšJžnfAfhf[]fX,ÆfTfCfY,ðšm"F,µ,Ä,".,±  
,Æ,Å,·[]BžŸ,É[]A[•išÜ]f{f^f",ðfNfšfbfN,µ,Å,©,ç[]A[Ç

%oA]f{f^f",ðfNfšfbfN,µ[]A[•išÜ,·,éf[]f,fš"í^í,ð'ç%oA]f\_cfAf[]fOf{fbfNfX,ð•\ž!,µ,Ü,·[]B

f}fEfX,ðžg,Á,Ä[]A•išÜ,µ,½,çf[]f,fš"í^í,ìšJžnfAfhf[]fX,Æ[]—¹fAfhf[]fX,ð'l'ð,µ,Ü,·[]BCardWorks  
,í[]A,·,x,Ä,ì"•išÜ%oA"\,É"f[]f,fš"í^í,ð 4K 'P^É,Å\ž!,µ[]A•s[]³,É[]Ý'è,ª,Å,«,È,ç,æ,κ

,É,µ,Ü,·[]B,Ü,½[]ACardWorks ,Ížw'è,µ,à,·,ç,æ,κ,É,µ,Ü,·[]B—

á,!,í[]AšJžnfAfhf[]fX,ð'l'ð,·,é,Æ[]Až©"®"l,É[]A[[]—¹]f{fbfNfX"à,ÉšJžnfAfhf[]fX,ì^É'u,©,ç 4K -  
Ú,ì~—[][]—¹fAfhf[]fX,ª,Ü,·\

ž!,³,è,Ü,·[]B•išÜ,·,éf[]f,fš"í^í,ªšm'è,µ,½,ç[]A[OK]f{f^f",ðfNfšfbfN,·,é,Æ[]A[]Ý'è,µ,½"í^í,ªž©"®"  
l,É•išÜ,³,è,Ü,·[]B

# DMA f`fff“flf<,ì•iŠÜiCardSoftf,[]fh,ì,Y[]j

DMA f`fff“flf<,ì•iŠÜ,íACardWorks ,<sup>a</sup>—~—p,Å,«,È,ç,Æ”»’f,μ,½fŠ^[]fX,ð[]Afj[]fh[]\  
[]—Žž,ÉŽg,ì,é,æ,α,É,·,é,½,β,ì,à,ì,Å,·[]BDMA f`fff“flf<,ð•iŠÜ,·,é,Æ,«,ì[]Å[]%  
,ìfXfefbfv,í[]A,Ü,·iŠÜ,μ,½,ç DMA f`fff“flf<,à,Ç,ê,©Šm”F,μ,Å,·,±,Æ,Å,·[]BŽŸ,É[]A[‘Ç  
%oÅ]f{f^f”,ðfNfŠfbfN,μ[]A[•iŠÜ,·,éDMA f`fff“flf<,ð’Ç%oÅ]f\_CfAf[]fOf{fbfNfX,ð•\Ž!,μ,Ü,·[]B

f}fEfX,ðžg,Á,Ä[]A•iŠÜ,μ,½,ç DMA f`fff“flf<,ð’ð,μ,Ü,·[]B•iŠÜ,·,é DMA  
f`fff“flf<,ð’ð,μ,½,ç[]A[OK]f{f^f”,ðfNfŠfbfN,·,é,Æ[]A,» ,ì DMA f`fff“flf<,àŽ©“®“ì,É•iŠÜ,³,è,Ü,·[]B

# ☐œŠO,·,éfŠf☐[fX☐iCardSoftf,☐[fh,ì,Y☐j

☐œŠO,·,éfŠf☐[fX ,í☐A“Á•Ê,Èf^fcfv,ìŽg—p☐ífŠf☐[fX,Á,·☐B☐œŠO,·,éfŠf☐[fX,Æ,í☐A—{—  
^,ì<ó,«fŠf☐[fX,Á,·☐B<N“ @Žž,ÉCardWorks ,áfVfXfef€“à•” ,đfXfLfff“ ,·,é,Æ,«☐AfVfXfef€fŠf  
☐[fX,ì☐<sup>3</sup>Šm,Ê^ê—•\,đ☐i☐—,μ,Û,·☐BCE»☐Ý,ì,Æ,±,ëfŠf☐[fX fXfLfffj“fo  
ft☐[fefBfŠfefB,í☐A,·,×,Ä,ìfvf%ofbfgftfH☐[f€,Á,ìŠ@‘S,Ê^ê—•\,đ☐i☐—,·,é,±,Æ,í,Á,«,Û,<sup>1</sup>,ñ☐B,±  
,ì,<sup>1</sup>/<sub>2</sub>,ß☐ACardWorks ,Á,ìft☐[fU☐[ ,<sup>a</sup>“ÆŽ©,ÉfVfXfef€fŠf☐[fX,đ•Ö☐W,·,é,±,Æ,<sup>a</sup>,Á,«,é,æ,α,É,È,Á,Ä,ç  
,Û,·☐BCardWorks ,áfVfXfef€fŠf☐[fX,đ<ó,«,Æ”>’f,μ,Á,à☐AZÁ☐Û,É,í,»,ìfvfXfef€fŠf☐[fX,<sup>a</sup>—  
p,Á,«,É,ç,±,Æ,đ‘m,Á,Ä,ç,ê,í☐A,»,ìfvfXfef€fŠf☐[fX,đ☐œŠO,μ☐APCfj☐[fh☐\☐—Žž,É☐A,»,ìfŠf  
☐[fX,đŽg,ì,É,ç,æ,α,É,·,é,±,Æ,<sup>a</sup>,Á,«,Û,·☐BfŠf☐[fX,đ☐œŠO,·,é,Æ☐A,»,ìfŠf☐[fX,í☐S—LŽÖ,<sup>a</sup>  
"System" ,Á, ,éŽg—p☐ífŠf☐[fX,Æ,μ,Á•\Ž!,<sup>3</sup>,ê,Û,·☐B

’☐^Ó: fŠf☐[fX•Ö☐W,í☐Afpf☐☐[ft☐[fU☐[—p,ìCardWorks ,ì☐ê—â“ì,È<@“\,Á,·☐B‘Ê☐í,í☐AfVfXfef€fŠf  
☐[fX,ì•Ö☐W,đ,·,é•K—v,ì, ,è,Û,<sup>1</sup>,ñ☐BfŠf☐[fX,<sup>a</sup>—~—p,Á,«,É,ç,±,Æ,đŠm☐M,μ,Á,ç  
,é,Æ,«,<sup>3</sup>/<sub>4</sub>, ☐A,»,ìfŠf☐[fX,đ☐œŠO,μ,Á,,<sup>3</sup>/<sub>4</sub>,<sup>3</sup>,ç☐B

☐œŠO,<sup>3</sup>,ê,<sup>1</sup>/<sub>2</sub>fŠf☐[fX,đ“<sup>1</sup>/<sub>2</sub>”]•\Ž!,μCEë,Á,Ä☐í☐œ]f{f^f“ ,đ%öÿ,μ,<sup>1</sup>/<sub>2</sub>ê☐#☐ACE<sup>3</sup>,É-  
ß,·€☐,ì,Á,«,Û,<sup>1</sup>,ñ☐B

[I/O "í^í,ì☐œŠO](#)

[IRQ,ì☐œŠO](#)

[f☐f,fŠ“í^í,ì☐œŠO](#)

[DMA f^fff“flf<,ì☐œŠO](#)

# I/O "Í^Í, ÌœŠO iCardSoftj, [fh, Ì, Ý]

fŠf\ [fX, ÌœŠO, íACardWorks, ãAfŠf\ [fX, ðPCfj\ [fh\ \ - , É - ~ - p%oÅ" \ , Å, , é, Æ" »'f, µ, Å, àA, » , ÌfŠf\ [fX, ð - ~ - p, Å, «, È, ç, æ, x, É, , é, ½, ß, Ì, à, Ì, Å, ·BI/O "Í^Í, ðœŠO, ·, é, Å, ·, é, ÌfXfēbfv, ÌA, Ü, , œŠO, µ, ½, ç I/O "Í^Í, ÌŠŽnfAfhfçfX, ÆfTfçfY, ðŠm" F, µ, Å, " , ± , Æ, Å, ·BŽŸ, ÉA[œŠO]f{f^f", ðNfŠfbfN, µ, Å, ©, çAI'Ç%oÅ]f{f^f", ðNfŠfbfN, µA[œŠO, ·, é/ O"Í^Í, ð'Ç%oÅ]fçfAfçfOf{fbfNfX, ð·\Ž!, µ, Ü, ·B

f}fEfX, ðŽg, Å, ÄAœŠO, µ, ½, ç I/O "Í^Í, ÌŠŽnfAfhfçfX, ÆfTfçfY, ð'Ì'ð, µ, Ü, ·BCardWorks , ÌA, ·, x, Å, Ì"œŠO%Å" \, È" I/O "Í^Í, ð, Wfrrfbfg'P^É, Å·\Ž!, µA·s³, ÈY'è, ð, Å, «, È, ç, æ, x , É, µ, Ü, ·B, Ü, ½ACardWorks , ÌŽw'è, µ, à, ·, ç, æ, x, É, µ, Ü, ·B— á, Ì, ÌAŠŽnfAfhfçfX, ð'Ì'ð, ·, é, ÆAZ© " @ " Ì, ÉA[Ì— ¹]f{fbfNfX" à, ÈŠŽnfAfhfçfX, Ì^É'u, ©, ç, Wfrrfbfg-Ü, Ì~ \_ - Ì - ¹fAfhfçfX, ã, Ü, , \ Ž!, ³, è, Ü, ·BœŠO, ·, é I/O "Í^Í, ðŠm'è, µ, ½, çA[OK]f{f^f", ðNfŠfbfN, ·, é, ÆA[Ý'è, µ, ½"Í^Í, ðŽç" @ " Ì, ÉœŠO, ³, è, Ü, ·B

'^Ó: œŠO, ³, è, ½fŠf\ [fX, ð"½"]·\Ž!, µçè, Å, Ä[íœ]f{f^f", ð%oŸ, µ, ½èçAç³, É- ß, ·'€ì, Ì, Å, «, Ü, ¹, ñB



# IRQ , ÌœŠO iCardSoftf, [fh, Ì, Ýj

fŠf\ [fX, ÌœŠO, íACardWorks , AfŠf\ [fX, PCfj [fh \ - , É - ~ - p%Å" \ , Å, , é, Æ" »'f, µ, Å, àA, » , ÌfŠf\ [fX, ð - ~ - p, Å, «, È, ç, æ, x, É, , é, ½, ß, Ì, à, Ì, Å, · BIRQ , ðœŠO, · , éÅ% , ÌfXfefbfv, íA, Ü, · œŠO, µ, ½, ç IRQ , ðŠm" F, µ, Å, , , ± , Æ, Å, · BŽŸ, ÉA [œŠO] f{f^f" , ðNfŠfbfN, µ, Å, ©, ç [ ' Ç %oÅ] f{f^f" , ðNfŠfbfN, µA [œŠO, · , éIRQ, ð' Ç%oÅ] fCfAfOf {fbfNfX, ð· Ž! , µ, Ü, · B

f}fEfX, ðŽg, Á, ÄAœŠO, µ, ½, ç IRQ , ð' ð, µ, Ü, · BCardWorks , íA, · , x, Å, Ì "œŠO%oÅ" \, È" IRQ , ð· Ž! , µACEè, Á, ÄY'è, · , é, ±, Æ, ð-h, ç, Å, è, Ü, · BœŠO, · , é IRQ , ð' ð, µ, ½, çA [OK] f{f^f" , ðNfŠfbfN, · , é, ÆA, » , Ì IRQ , Ž© " ® " I, ÉœŠO, ³, è, Ü, · B

'^ Ó: œŠO, ³, è, ½fŠf\ [fX, ð" ½" ] · Ž! , µCEè, Á, Ä [íœ] f{f^f" , ð%Ÿ, µ, ½è#ACE³, É- ß, · € , í, Å, «, Ü, ¹, ñB



# DMA f`fff“flf<,ìœŠOïCardSoftf,[]fh,ì,Y[]j

DMA f`fff“flf<,ìœŠO,íACardWorks ,ªPCfj[]fh[]-É-~—p%Å“\,Å, ,é,Æ”»’f,µ,Ä,à[]A,»,ìfŠf[]  
[]fX,ð—~—p,Å,«,É,ç,æ,æ,É,·,é,½,ß,ì,à,ì,Å,·[]BDMA f`fff“flf<,ðœŠO,·,é,Æ,«,ì[]Å[]%  
,ìfXfefbfv,í[]A,Ü,·[]œŠO,µ,½,ç DMA f`fff“flf<,ª,Ç,ê,©Šm”F,µ,Ä,·,±  
,Æ,Å,·[]BŽŸ,É[]A[[]œŠO]f{f^f“,ðfNfŠfbfN,µ[]A[[]œŠO,·,éDMA f`fff“flf<,ð’ç  
%oÅ]f\_fCfAf[]fOf{fbfNfX,ð·\Žì,µ,Ü,·[]B

f}fEfX,ðŽg,Á,Ä[]A[]œŠO,µ,½,ç DMA f`fff“flf<,ð’l’ð,µ,Ü,·[]B[]œŠO,·,é DMA  
f`fff“flf<,ð’l’ð,µ,½,ç[]A[OK]f{f^f“,ðfNfŠfbfN,·,é,Æ[]A,»,ì DMA  
f`fff“flf<,ªŽ©“@“ì,É[]œŠO,³,ê,Ü,·[]B

’[]^Ó: []œŠO,³,ê,½fŠf[]fX,ð”½”]·\Žì,µÆë,Á,Ä[[]í[]œ]f{f^f“,ð%ÿ,µ,½[]ê[]#[]ACE³,É-  
ß,·‘€[]ì,ì,Å,«,Ü,¹,ñ[]B

## IRQ i • Ž; f f j f ... [ ]

“Á•Ê,È’®«i<ó,«AŽg—pĭA—\-ňĭA•iŠÜAœŠOj,É,æ,èAIRQ ,đfŠfXfgfAfbfv,μ,Û,·B

## IRQ iCardSoftf, [fh, ì, Ý]j

CardWorks , ð Å % , É f [fh, , é, Æ AfRf "fsf... [f ^ "à •" , ð fXfLfff" , μ ACardWorks , a PCfj [fh, ð \ [ , , , é, Æ, « , É • K - v , É fŠf [fX, Ì ê — • \, ð [ [ , μ, Ü , BCardWorks , a fXfLfff" , , é fŠf [ [fX, Ì, P, Ä, É AŠ , è ž, Ý - v < [ (IRQ) , a , , è, Ü , B

fVfXfef€ , Ì fXfLfff" + , É ACardWorks , Í A, Ç, Ì fŠf [ [fX, a [ < ó, « ] , Å A, Ç, Ì fŠf [ [fX, a [ Žg - p Ì ] , © , ð Šm " F, μ, Ä, ç, « , Ü , B [ < ó, « ] , Ì è [ # , Í A, » , Ì fŠf [ [fX, a ~ - p % Å " \ , Å PCfj [fh, Ì \ [ , É Žg, Ì, é, ± , Æ, ð Ž Ì, μ, Ä, ç, Ü , B [ Žg - p Ì ] , Í AfVfXfef€ , à ' ¼ , Ì PCfj [fh, É, æ, A, Ä, , Ä, É Žg, Ì, è, Ä, ç, é, ½, ß, É fŠf [ [fX, a ~ - p % Å " \ , Ä, Ì, É, ç, ± , Æ, ð Ž Ì, μ, Ä, ç, Ü , B  
fŠf [ [fX, É, æ, Ä, Ä, Í A " Á • É, È ' @ « , ð Ž [ , Ä, Ä, ç, é è [ # , a , , è, Ü , B [ < ó, « ] , Æ, © [ Žg - p Ì ] , Æ, Ì • É, É AfŠf [ [fX, a [ - \ - ñ Ì ] , Ä, , Á, ½, è A [ • i Š Ü ] , 3, è, Ä, ç, ½, è A [ œ Š O ] , 3, è, Ä, ç, ½, è, , é è [ # , a , , è, Ü , B ' @ « , a fGf " fhft [fU [ , É, æ, Ä, Ä % Å , Ì, ç, è, ½ è [ # AfŠf [ [fX, Í " Á • É, È ' @ « , ð Ž [ , Ì, Ü , B fŠf [ [fX, Ì Ú [ x , É, Ä, ç, Á ' m, è, ½, ç è [ # , Í A % Å , Ì € - Ü, ð fNfŠfbfN, μ, Ä, , ¾, 3, ç B

[<ó, « fŠf \[ \[fX](#)

[Žg - p Ì fŠf \[ \[fX](#)

[- \ - ñ Ì fŠf \[ \[fX](#)

[• i Š Ü , é fŠf \[ \[fX](#)

[\[ œ Š O , é fŠf \[ \[fX](#)

**f f, fš" í í i • \ ž f f f f ...**

"Á•Ê,È'®«i<ó,«AŽg—pĭA—\-ňĭA•išŮAœŠOj,É,æ,èAf f, fš" í í, đfšXfgfAfbfv, μ, Ü, ·B

# f[]f,fš"í^í[]iCardSoftf,[]fh,ì,Y[]j

CardWorks ,đ[]Å[]%°,Éf[][]fh,·,é,Æ[]AfRf"fsf...[]f^"à•",đfXfLfff" ,μ[]ACardWorks ,ªPCfj[]fh,đ[]\ []- ,·,é,Æ,« ,É•K-v,Éfšf[]fX,í^ê---·\,đ[][]- ,μ,Ü,·[]BCardWorks ,ªfXfLfff" ,·,é,fšf\ []fX,ì,P,Ä,É[]A[]f.f.S,ª ,è,Ü,·[]B

fVfXfef€,ìfXfLfff""+ ,É[]ACardWorks ,í[]A,Ç,ìfšf[]fX,ª[<ó,«],Å[]A,Ç,ìfšf[]fX,ª[Žg-p[]i] ,©,đŠm" F,μ,Ä,ç,« ,Ü,·[]B[<ó,«],í[]ê[]‡,í[]A,» ,ìfšf[]fX,ª---p%°Ä"\,ÅPCfj[]fh,ì[]\[]- ,ÉŽg,ì,é,± ,Æ,đŽ!,μ,Ä,ç,Ü,·[]B[Žg-p[]i],í[]AfVfXfef€,â'¼,ìPCfj[]fh,É,æ,A,Ä,·,Ä,ÉŽg,ì,é,Ä,ç,é,½,β,Éfšf\ []fX,ª---p%°Ä"\,Ä,í,É,ç,±,Æ,đŽ!,μ,Ä,ç,Ü,·[]B

fšf[]fX,É,æ,Ä,Ä,í[]A"Á•É,È'®[]« ,đŽ[],Á,Ä,ç,é[]ê[]‡,ª ,è,Ü,·[]B[<ó,«],Æ,©[Žg-p[]i] ,Æ,í•É,É[]Afšf[]fX,ª[—\-ñ[]i],Ä , ,Á,½,è[]A[•iŠÜ],³,é,Ä,ç,½,è[]A[œšO],³,é,Ä,ç,½,è,·,é[]ê[]‡,ª , ,è,Ü,·[]B'®[]« ,ªfGf"fhft[]fU[][,É,æ,Ä,Ä%°Ä,|,ç,é,½[]ê[]‡[]Afšf[]fX,í"Á•É,È'®[]« ,đŽ[],ì,Ü,·[]Bfšf\ []fX,ì[]Ú[]x,É,Ä,ç,Ä'm,è,½,ç[]ê[]‡,í[]A%°°,ì[]€-Ú,đfNfšfbfN,μ,Ä,,¾,³,ç[]B

<ó,«fšf[]fX

Žg-p[]ifšf[]fX

—\-ñ[]ifšf[]fX

•iŠÜ,·,é,fšf[]fX

[]œšO,·,é,fšf[]fX

## DMA f`fff“flf<□iCardSoftf,□[fh,ì,Ý□j

CardWorks ,đ□Å□%□,Éf□□[fh,·,é,Æ□AfRf“fsf...□[f^“à•”,đfXfLfff“ ,μ□ACardWorks ,<sup>a</sup>PCfj□[fh,đ□  
□→,·,é,Æ,« ,É•K—v,ÉfŠf□[fX,Ì^ê—•\,đ□□→,μ,Ü,·□BCardWorks ,<sup>a</sup>fXfLfff“ ,·,éfŠf  
□[fX,ì,P,Ä,É□ADMA f`fff“flf<,<sup>a</sup> ,è,Ü,·□B

fVfXfef€,ìfXfLfff“+ ,É□ACardWorks ,í□A,Ç,ìfŠf□[fX,<sup>a</sup>[<ó,«],Å□A,Ç,ìfŠf□[fX,<sup>a</sup>[Žg—p□ì]  
,©,đŠm“F,μ,Ä,ç,« ,Ü,·□B[<ó,«],ì□ê□‡,í□A,» ,ìfŠf□[fX,<sup>a</sup>—~—p%□Å“\,ÅPCfj□[fh,ì□\□→,ÉŽg,ì,é,±  
,Æ,đŽ!,μ,Ä,ç,Ü,·□B[Žg—p□ì],í□AfVfXfef€,â'¼,ìPCfj□[fh,É,æ,A,Ä,·,Ä,ÉŽg,ì,é,Ä,ç,é,½,β,ÉfŠf  
□[fX,<sup>a</sup>—~—p%□Å“\,Ä,ì,É,ç,±,Æ,đŽ!,μ,Ä,ç,Ü,·□B

fŠf□[fX,É,æ,Ä,Ä,í□A“Á•Ê,È'®□« ,đŽ□,Á,Ä,ç,é□ê□‡,<sup>a</sup> ,è,Ü,·□B[<ó,«],Æ,©[Žg—p□ì]  
,Æ,ì•Ê,É□AfŠf□[fX,<sup>a</sup>[—\—ñ□ì],Ä, ,Á,½,è□A[•iŠÜ],<sup>3</sup>,é,Ä,ç,½,è□A[□œŠO],<sup>3</sup>,é,Ä,ç,½,è,·,é□ê□‡,<sup>a</sup> ,  
è,Ü,·□B'®□« ,<sup>a</sup>fGf“fhf+□[fU□[ ,É,æ,Ä,Ä%□A,ì,ç,é,½□ê□‡□AfŠf□[fX,ì“Á•Ê,È'®□« ,đŽ□,ì,Ü,·□BfŠf  
□[fX,ì□Ú□x ,É,Ä,ç,Á'm,è,½,ç□ê□‡,í□A%□□,ì□€—Ú,đfNfŠfbfN,μ,Ä,,¾,¾,ç□B

<ó,«fŠf□[fX

Žg—p□ìfŠf□[fX

—\—ñ□ìfŠf□[fX

•iŠÜ,·,éfŠf□[fX

□œŠO,·,éfŠf□[fX



## PCfj[]fh fvf[]pfefB - ‘®[]«

[fvf[]pfefB]f\_fCfAf[]Of{fbfNfX,í[]A’®[]«[]AfŠf[]fX[]APCfj[]fh,ðftf[]f[]fg,·,é,½,ß,Éf[]fh,³,ê,½fhf %ofCfo,ÉSÖ,·,éfo[]fWf[]f[]í·ñ,ð·\Ž!,μ,Ü,·[]B,³,ç,É[]ACardSoft f,[]fh,ÅZÅ[]s’t,lf[]f,fs[]^ffBfXfN fj[]fh,ì,½,ß,É[]Alf[]f,fs fj[]fh ft[]fefBfŠfefB] f^fu,à·\Ž!,³,ê,Ü,·[]B

PCfj[]fh f,fWf...[]f<^PCfj[]fh<KŠi,É[],Á,Ä[]’,©,ê,Ä,ç,é[]è[]#[]AWizard ,ÍŠÈ’P,Éf[]ftfgfEjFfA,©,ç[]d —v,ÉfCf“ftfHf[][]fVf[]f”,ð^ø,«[]o,·,±,Æ,³,Å,«,Ü,·[]BWizard ,í’É[]í[]A^É%o²,í[]í·ñ,ð·\Ž!,μ,Ü,·[]B

’}“ü,³,ê,Ä,ç,éPCfj[]fh,lf^fcfv,É%ož,¶,Ä[]AZÿ,ì[]í·ñ,³·\Ž!,³,ê,Ü,·[]B

**fXf[]fbfg:** ,±,lfXf[]fbfg,ÉS,,è“-,Ä,ç,ê,Ä,ç,éfXf[]fbfg”Ô[]t,ÆfXf[]fbfg-¼,ð·\ Ž!,μ,Ü,·[]B[]i[]f[]v[]f[]f[]”[]f[]f[]f...[][,©,ç[PCCARD ·\Ž!],ð’É,μ,ÄfXf[]fbfg-¼,ð·\X,Å,«,Ü,·[]B[]j

**fj[]fh:** f,fWf...[]f<“ÆŽ©,lfAfCfff“fefBftfBfP[]fVf[]f”,ð·\Ž!

**f[]fj:** PCfj[]fh,lf[]fj,ð·\Ž![]if,fff€[]AATAfj[]fh[]j

**ftfCfy:** PCfj[]fh,ì·Û’¶“\—í,ð·\Ž!

**fhf%ofCfo:** fhf%ofCfu”Ô[]t,ð·\Ž![]ifn[]fhfhf%ofCfu fj[]fh—p[]j

**fobfefŠ[]L,ì[]ó’Ô:** SRAM fj[]fh fobfefŠ[]L,ì[]ó’Ô,ðŽ!,μ,Ü,·[]B·\Ž!,ì%oÅ”\[]«,í[]A,È,μ[]E’á[]EOK ,Ä,·[]B

**f%ofCf[]fvf[]fefNfg:** ftf%ofbfVf...fj[]fh,Ü,½,íSRAM fj[]fh,lf%ofCf[]fvf[]fefNfg,ì[]ó’Ô[]i— LCEø,Ü,½,í-³CEø[]j,ð·\Ž!

**ftf@fCf·fvfXfef€:** ,±,ìPCŠO·”<L%o~[]^fn[]fhfffBfXfN fj[]fh,ìftf@fCf·fvfXfef€,ð·\Ž!

# fvf[]pfefB...[]i•\Ž!f[]fjf...[][]j

'®[]«[]AfŠf[][]fX[]Afhf%[]fCfo[]APCfj[][]fh,đfTf|[][]fg,·,é,½,ß,Éf[][]fh,³,ê,éf[]f,fŠ fj[][]fh  
ft[][]fefBfŠfefB,đ•\Ž!,μ,Û,·[]BWizard ,íPCfj[][]fh f\ftfgfEjfAfhf%[]fCfo,©,ç[]d—  
v,É[]î•ñ,đ^ø,«[]o,μ[]A“Ç,Ý,â,·,ç%[]æ-Ê,ÉfŠfXfgfAfbfv,μ,Û,·[]B

## fvf[]pfefB...

[fvf[]pfefB]f\_fCfAf[]Of{fbfNfX, íA'®«[]AfŠf[]fX[]Afhf%ofCfo[]APCfj[]fh,đTfj  
[]fg,·,é,½,ß,Éf[]fh,³,è,éf[]f,š fj[]fh ft[]fefBfŠfefB,đ·\Z!,μ,Û,·BWizard ,íPCfj[]fh f\  
ftfgfEjFfAfhf%ofCfo,©,ç[]d—v,Éî•ñ,đ^ø,«[]o,μA"Ç,Ý,â,·,ç%æ-Ê,ÉfŠfXfgfAfbfv,μ,Û,·B

[]Ú,μ,,íA^È%º,ì[]€-Ú,đ'!đ,μ,Ä,,¾,³,ç[]B

[PCfj\[\]fh fv\[\]pfefB - '®«](#)

[PCfj\[\]fh fv\[\]pfefB - fŠf\[\]fX](#)

[PCfj\[\]fh fv\[\]pfefB - fhf%ofCfo](#)

[PCfj\[\]fh fv\[\]pfefB - f\[\]f,š fj\[\]fh ft\[\]fefBfŠfefB](#)

## PC fvf fpefB - fšf fX

fvcfAfOf{fbfNfX, íA' @ Afšf fX APC fvf fh, ðTfj fg, , é, ½, ß, É f fh, ³, ê, éfhf %ofCfo, ð•\Ž, μ, Ü, ·B, ³, ç, É ACardSoft f, fh, ÅŽÅs't, lf, fš ^fffBfXfN f fh, ì, ½, ß, É A f, fš f fh ft [fefBfšfefB] f^fu, à•\Ž, ³, ê, Ü, ·B

PC fvf fh f, fWf... [f<, PC fvf fh Žd—l, É, Á, Ä, ©, ê, Ä, ç, é ê ð # AWizard , íŠÈ'P, É fvtfgfEjFfA, ©, ç d —v, ÉfCf“ftfHf [fVfj” , ð^ø, «o, , ±, Æ, ð, Å, «, Ü, ·BWizard , íÉ í A^È%ºº, ìî•ñ, ð•\Ž, μ, Ü, ·B

'}“ü, ³, ê, Ä, ç, é PC fvf fh, lf^fcfv, É%ž, ¶, Ä AŽŸ, ìî•ñ, ð•\Ž, ³, ê, Ü, ·B

### fšf fX:

**IRQ:** Žg—p, , é, ½, ß, É—v<, ³, ê, éfCf“f^f%ofvfg, ð•\Ž, μ, Ü, ·B

**I/O:** , ±, ì PC fvf fh, ì, ½, ß, É Žg—p, ³, ê, Ä, ç, é I/O “í^í, ìšŽn A—¹fAfhfCEfX, ð•\Ž, μ, Ü, ·B

**DMA:** Žg—p, ³, ê, é DMA f`fff“fj<, ð•\Ž, μ, Ü, ·B

**f, fš:** SRAM , Ü, ½, ìftf%ofbfVf... f fh, É Žg—p, ³, ê, é• —“lf, fš, ì”í^í, ð•\Ž, μ, Ü, ·B



**fc [f<fo [i•ž!fjff... [j**

[fc [f<fo [],đfNfŠfbfN,μ,ÄAfcc [f<fo [],đ•ž!,<sup>3</sup>,<sup>1</sup>,<sup>1</sup>/<sub>2</sub>,èÁ,μ,<sup>1</sup>/<sub>2</sub>,è,μ,Ü,·B

**fXfe [f^fXfo [i•\Ž:fjff... [j**

[fXfe [f^fXfo [ ,đfNfŠfbfN,μ,ÄAfXfe [f^fXfo [ ,đ•\Ž|,³,¹,½,èÁ,μ,½,è,μ,Ü,·B

# [f]fVf+f“]f[]fj...[]

□Ú□×,É,Â,ç,Ä,í□A%°°,ì[f]fVf+f“]f[]fj...[][,ìŠe□€-Ú,ðfNfŠfbfN,μ,Ä,,¾,³,ç□B

□Y'è

'É'm

fXf[]fbfg\_f}f[]fWf[]f“fg

f[]f[]f[]\_f}f[]fWf[]f“fg

fr[]fV%°¹

fTfEf“fhftf@fCf<

<N“®

PCf[]f[]fh\_fhf°°fCfo



**[Ÿ'è]fjff...[**

Šefpflf<,ìÚ×,É,Â,ç,Ä,ÍA%º,ì[Ÿ'è]fjff...[,ìŠefpflf<-¼,đNfŠfbfN,μ,Ä,,¾,¾,çB

f.fff€

flfbfgf[]fN

ATA

flfvVf#f"

# f,fff€iCardSoftf,[]fh,ì,Y[]

,±,ì,f,fff€[]p[]f[]f<,í[]AfVfXfef€fŠ^[]fX,ðŠÇ—  
[],μ[]Af,fff€f[]fh,ð[]Y'è,·,épf[]ft[]fU[][,ì,½,β,ì,à,ì,À,·[]B[Wizard],ðŽÀ[]s,μ,Ä[]AŽwŽ!,É[]],ç  
,É,ª,çPCf[]fh,ì[]³,μ,ç[]\[]-[]^[]Ä[]\[]-,ð,·,é,ì,ª[]Ä,àŠÉ'P,É•ù-@,À,·[]Bf,fff€[]Y'è%œ-É,í[]AfVfŠfAf<f[]  
[]f[]g[]#[]AfVfŠfAf<f[]f[]g[]Y'è[]AI/O fAfhf€fX"í^[]AŽg—  
p,³,è,½IRQ[]Af,fff€f[]f[]v[]f[]f[]f",ì[]î•ñ,ðŠÜ,ñ,À,ç,Ü,·[]B

[fVfŠfAf<f][]f[]g[]#]f{fbfNfX,É,æ,Á,Ä[]AfVfŠfAf<f][]f[]g,ì[]#""Ò,ð•ï[]X,·,é,±,Æ,ª,À,«,Ü,·[]B

[fVfŠfAf<f][]f[]g[]Y'è]Ä[]ACOM(É[]Mf[]f[]g),ÉŠÖ,·,é[]Y'è,ð•ï[]X,À,«,Ü,·[]B  
,±,ì•"•ª,À,í[]AfVfŠfAf<f][]f[]g,l'è<`,ð•ï[]X,À,«,Ü,·[]B'É[]í[]A,±,è,ç,ì"Á•É,È,Wf[]f[]b[]f[]g[]/  
OfAfhf€fX"í^ì,í•W[]€"ì,É,à,ì,À,·,è[]Af[]f[]o[]f[]%[]b[]f[]v,·,é,±,Æ,à,È,ç,ì,ÄfVfŠfAf<f][]f[]g,ÉŠÖ,·,é[]/  
OfAfhf€fX,ð•ï[]X,·,éK—v,ì,·,è,Ü,¹,ñ[]B,μ,©,μIRQ,ìŠ,,è"—,Ä,ð•ï[]X,·,é,±,Æ,ì,·,è,Ü,·[]B—  
á,!,í[]ACOM1,ÆCOM3,ì—¼•ù,ÉIRQ4,ª[]ACOM2,ÆCOM4,ì—¼•ù,ÉIRQ3,ª[]Y'è,³,è,Ä,ç  
,é[]è[]#[]AIRQf%[]f[]Cf",í[]f[]f[]o[]f[]%[]b[]f[]v,μ,À,ç,Ü,·[]BŽü•Ó,É'í,μ,Ä[]AIRQf%[]f[]Cf",ð<α—p,·,é,±,Æ,ì•W[]€  
%œ»,³,è,Ä,ç,É,ç,ì,Ä[]APCf[]fh,ª"}"ü,³,è,½[]Ü,É,¨,»,ç,IRQ,ì<£[]#,ª"[]¶,μ,Ü,·[]B,±,ì%œ-  
É,Ä[]Y'è,ð•ì,!,é,É,í[]f[]f[]f[]X,É,Ç,í[]f[]Cf"fefBf"foff[]f[]CfXŽg,Á,Ä[]A-î'ó,ð"®,©,μ,ÄfŠf^  
[]f[]X,ì,ð,Æ,Ä,ðfNfSfbfN,μ[]A[]V,μ,çfŠf[]f[]X,ð'ì,ñ,À,,¾,¾,¾,ç[]B

Š,,è"—,Ä,ç,è,½fVfŠfAf<f][]f[]g,ÉŠÖ,·,é[]Y'è,ð'É[]í,ì",©,ç•ï[]X,·,é,Æft[]fU[][,ì'[]^Ó,ð^ø,-  
,½,β,É[]A[]g[]f[]Xf^f[]e[]h,í[]f[]f[]g[]Y'è,ª\Ž!,³,è,Ü,·[]B  
f,fff€f[]fh,ªfXf[]fbfg,É'"}"ü,³,è,Ä,ç,é[]ó'Ö,Ä[]A[]V,μ,ç[]Y'è,ð—LCEø,É,μ,½,ç,Æ,«,í[]A,ç  
,Á,½,ñf,fff€f[]fh,ðŽæ,è[]o,μ,Ä[]A[]Ä"x'"}"ü,μ,Ä,,¾,¾,¾,ç[]B

,±,ì%œ-É,Á,í[]AŽw'è,³,è,½fŠf[]f[]X,ª~—p,Á,«,é,©,Ç,α,©,ìŽwŽ!,í,È,[]A[Wizard]<@"\  
,à,·,è,Ü,¹,ñ[]BfVfXfef€fŠf[]f[]X,É,Á,ç,Ä,í[]AfŠf[]f[]X[]Y'è,É,Á,ç,Ä,ì[]à-¾%œ-É(I/O  
"í^ì,ÆIRQ),ðŽQ[]Æ,·,é,©[]Aª,©,è,â,·,çŽwŽ!,ª•K—v,É[]è[]#,í[]A,»,ì[Wizard]  
,ðŽÀ[]s,μ,Ä,,¾,¾,¾,ç[]B

[f,fff€%¹—LCEø]f`fFfbfNf{fbfNfX,Á,í[]AfŠf,[]f[]g,f,fff€,ð[]Ú'±,μ,æ,α,Æ,·,é,Æ,«,É[]o,é'É[]í,ìfr[]f[]v  
%¹,â[]A%¹,ð•,·,±,Æ,ª,À,«,Ü,·[]Bf`fFfbfNf{fbfNfX"à,É%½,àf`fFfbfN,ª\  
Ž!,³,è,É,ç[]è[]#,í[]A[]Ú'±%¹,ì•,±,!,Ü,¹,ñ[]B

[f,fff€fŠf"fo[]ÄŠ]—LCEø]f`fFfbfNf{fbfNfX,ì—LCEø,É[]è[]#[]AFAX[]^f,fff€f[]fh,ÉCEÄ,Ñ[]o,μ  
%¹,ª,É,Á,½Žž[]AfVfXfef€,ªTfXfyf"fh f,[]fh,©,ç—š,¿[]ã,ª,é,©,Ç,α  
,©,ðfRf`f[]g[]f[]f<,μ,Ü,·[]Bf`fFfbfNf{fbfNfX,ªf`fFfbfN,³,è,Ä,ç,É,ç  
,Æ,«[]AFAX[]^f,fff€f[]fh,É,©,©,Á,Ä,«,½CEÄ,Ñ[]o,μ%¹,í[]A-³Ž<,³,è,Ü,·[]B

# flfbfgf [fN iCardSoftf, [fh, i, Yj

[flfbfgf [fN]fpflf<, Å ACardWorks , lflfbfgf [fN f [fh] - , ð • i X , , é , ± , Æ , a , Å , « , Ü , · B , 1/2 , 3/4 , µ A "Æ Ž © , i f [fh] f [fX fNf % fCfAf "fg fhf % fCfo , a • K - v , È flfbfgf [fN f [fh, i] - , i • i X , Å , « , Ü , 1 , ñ B

, ± , l f R f } f " f h , í A f v f x f e f e f Š f [fX , ð Š Ç - , µ A f l f b f g f [fN f [fh, ð \ - , , é p f [f [f U [ , i , 1/2 , β , i , à , i , Å , · B [Wizard] , ð Ž A s , µ , Å A P C f [fh, i] 3 , µ , ç [ - - ^ Ä \ - , l f X f e f b f v , É ] , x , i , a Å , à Š È ' P , È • ù - @ , Å , · B

[flfbfgf [fN]fpflf<, i q ' x , É • \ Ž ! , 3 , é , 1/2 Y ' è , í A A Å % , É ' } " ü , 3 , é , 1/2 flfbfgf [fN f [fh, i , à , i , Å , · B % E ' x , i Y ' è , í A , Q " Ô - Ú , É ' } " ü , 3 , é , 1/2 P c f l f b f g f [fN f [fh, i , à , i , Å , · B , » , é , 1/4 , é , l f l f b f g f [fN f [fh, É ' í , µ , Å A , Q , Å , i ^ ù , È , é f f . f Š f A f h f C E f X ( ù , Æ , ñ , Ç , l f l f b f g f [fN f [fh, Å , í A , P , Å , 3/4 , ~ , Å , · ) A , P , Å , i / O f [f g A , P , Å , i R Q s , i ' i , a Ž w ' è , Å , « , Ü , · B , Ü , 1/2 A q % 0 , l f f f b f N f { f b f N f X , Å A I B M f g [fN f " f Š f " f O f [fh, l f Š f " f O f X f s [fh, ð 4 M b p s , © , ç 16 M b p s , Ü , Å • i X , , , é , ± , Æ , a , Å , « , Ü , · B ( [ , ' - f g [fN f " f Š f " f O ] f { f b f N f X , É " X " , a • t , ç , Å , ç , é , í A f g [fN f " f Š f " f O , É 16 M b p s , i " ] ' - f X f s [fh, a Y ' è , 3 , é , Å , ç , Ü , · B )

, ± , i % œ - È , Å , í A Ž w ' è , 3 , é , 1/2 f Š f [fX , a ~ - p , Å , « , é , © , Ç , x , © , i Ž w Ž ! , í , È , A [Wizard] < @ " \ , à , , è , Ü , 1 , ñ B f v f x f e f e f Š f [fX , É , Å , ç , Å , í A f Š f [fX Y ' è , É , Å , ç , Å , i à - 3/4 % œ - È ( i / O " í í , Æ I R Q ) , ð Ž Q Æ , - , é , © A • a , © , è , â , · , ç Ž w Ž ! , a • K - v , È ê ê † , í A , » , l f [fh, i [Wizard] , ð Ž A s , µ , Å , , 3/4 , 3 , ç B

, ù , Æ , ñ , Ç , l f l f b f g f [fN f [fh, í A f [f , f Š f e f B f " f h f e A I / O " í ^ í A I R Q , ð • K - v , Æ , µ , Ü , · B , » , i , 1/2 , β , É A A Å % , l f X f e f b f v , í A f l f b f g f [fN f [fh, a • K - v , Æ , · , é f Š f [fX , ð < i ' i " i , É Š m " F , · , é , ± , Æ , Å , · B Ž Y , É A , ± , é , ç , l f Š f [fX , É † , í , 1 , Å A f } f e f X , É , Ç , l f [f C f " f e f B f " f O f f f o f C f X , Å Y ' è , ð • i X , µ , Ü , · B [OK] f { f ^ f " , ð f N f Š f b f N , · , é , Æ A • i X , µ , 1/2 f p f % o f [f ^ , a Š m ' è , 3 , é , Ü , · B • i X " à - e , í A Ž Y , É f [fh, ð ' } " ü , µ , 1/2 , Æ , « , É - L C E ø , È , È , è , Ü , · B f [fh, a Y ' è , 3 , é , È , ç ê † , í A [Wizard] , ð Ž A s , , è , í A , » , i C ' ^ ö , ð C © , Å , ~ , é , ± , Æ , a , Å , « , Ü , · B

## ATA iCardSoft f, [fh, i, Y]

[ATA] f p f j <, Å AATA f j [fh, i] Y' è • i X, a, Å, <, Ü, · B CardWorks , í A f ^ f C f v ± U \ f Š f b f h f X f e [ f g ] ATA f t f % o f b f V f ... f f f B f X f N, A E f ^ f C f v ± V f [ f e f C f g f n [ f h f f f B f X f N ] ATA f j [fh, i] — ¼ • ù, ð Ž © “ @ “ i, É [ Y' è, μ, Ü, · B CardWorks , í A, ·, x, Å, i ATA P C f j [fh f f f o f C f X, ð T f [ f g, μ, Å, ç, Ü, · B

, ±, i % o æ - Ê, í A f v f X f e f € f Š f [ f X, ð Š Ç —, μ AATA f j [fh, ð [ [ - , ·, é p f [ f t [ f U [ i, ½, β, i, à, i, Å, · B [ Wizard ], ð Ž A [ s, μ, Å A P C f j [fh, i] [ ³, μ, ç [ \ - [ ^ [ Å [ [ - , i f X f e f b f v, É [ ], x, i, a [ Å, à Š È ' P, È • ù - @, Å, · B

[ATA] f p f j <, i Š e [ € - Ú, i [ Ú [ x, É, Å, ç, Å, í A ^ È % o e, ð f N f Š f b f N, μ, Å, , ¾, ³, ç [ B

[ATA f A f N f Z f X • ù Ž @](#)

[ATA f A f N f Z f X • ù Ž @ — D \[ æ \[ ‡ ^ Ê](#)

[ATA P C f j \[fh" ñ \[ € <'](#)

[ATA f A f N f Z f X • ù Ž @ — D \[ æ \[ ‡ ^ Ê, i \[ Å < Ž \] f { f ^ f "](#)

ATA f f f o f C f X, ð Y' è, μ, Å, ç, é, A, < [ A [ ¶ ' x, i f { f b f N f X, i A T A f A f N f Z f X • ù Ž @, ð A % o E, i [ A T A f A f N f Z f X • ù Ž @ — D [ æ [ ‡ ^ Ê ] f { f b f N f X, É ^ è ' v, ³, ¹, é • K — v, a, , è, Ü, · B [ A T A f A f N f Z f X • ù Ž @ — D [ æ [ ‡ ^ Ê ] f { f b f N f X, É, í A CardWorks , a' } " ü, ³, è, Å, ç, é ATA P C f j [fh f f f o f C f X, ð, Ç, i, æ, x, É [ [ - , ·, é, ©, a Ž w Ž !, ³, è, Å, ç, Ü, · B — á, i, i [ A, , é [ \ - , i Ž Ž, É, í A CardWorks , i [ A ' } " ü, ³, è, Å, ç, é ATA f j [fh, ð [ Å [ % o, i f Š f j f A I / O f, [fh, Å [ A Ž Y, É f Z f j f " f \_ f Š I / O f, [fh, Å [ A [ Å Ç ä, É f v f % o f C f } f Š I / O f, [fh, Å [ [ - , μ, æ, x, A, μ, Ü, · B f [ f, f Š f, [fh, Å, í AATA f j [fh, i] Y' è, i [ s, ç, Ü, ¹, ñ [ B

, ±, i % o æ - Ê, Å, í A Ž w ' è, ³, è, ½ f Š f [ f X, a ~ — p, Å, <, é, ©, Ç, x, ©, i Ž w Ž !, i, È, [ A [ Wizard ] < @ " \ , à, , è, Ü, ¹, ñ [ B f v f X f e f € f Š f [ f X, É, Å, ç, Å, í A f Š f [ f X [ Y' è, É, Å, ç, Å, i [ à - ¾ % o æ - Ê ( I / O " i ' i, A E I R Q ) , ð Ž Q [ A, ·, é, © [ A • a, ©, è, à, ·, ç Ž w Ž !, a • K — v, È è [ ‡, i [ A, » , i [ Wizard ] , ð Ž A [ s, μ, Å, , ¾, ³, ç [ B

# ATA fAfNfZfX•ûŽ® iCardSoftf, [fh, i, Y]j

ATA fAfNfZfX•ûŽ®, É, Í Afvf%ofCf}fŠ AfZfjf“f\_fŠ AfŠfjfA Af f, fŠ, Ì 4  
Ä, İ fAfhfCefXf^fcfv, a, , è, Ü, · B

**fvf%ofCf}fŠ**, Í•W€“l, Èfvf%ofCf}fŠ IDE I/O fAfhfCefX, Ì•W€<KŠi, Å, , é1F0-1F7, Æ3F6-3F7, ðŽg, Á, Ä ATA f [fh, ðY’è, µ, Ü, · B

**fzjif“f\_fŠ**, Í•W€“l, Èfzjif“f\_fŠ IDE I/O fAfhfCefX, Ì•W€<KŠi, Å, , é170-177, Æ376-377, ðŽg, Á, Ä ATA f [fh, ðY’è, µ, Ü, · B

**fŠjifa**, Í—~—p%oÄ“\, È A16frfbfg <æ∅, è, Ì, Ç, ±, ©, Ì^É’u, ©, ç~A’±, µ, ½16fofCfjg, Ì/O fAfhfCefX“í^í, ðŽg, Á, Ä ATA f [fh, ðY’è, µ, Ü, · (—á, İ, İ380-38F) B

**fif, fŠ** (fif, fŠ, İf}fbfv) , İ4K <æ∅, è, Ì, Ç, ±, ©, Ì^É’u, ©, ç A—~—p%oÄ“\, È 2K , İfif, fŠfEfBf“fhfE, ðŽg, Á, Ä ATA f [fh, ðY’è, µ, Ü, · (—á, İ, İD8000-D87FF) B fif, fŠf}fbfv•ûŽ®, Ä ATA fffofCfX, ðY’è, ·, é, ÆŠÇ—∅ä, Ì•É, Ì-â’è, a”∅, ·, é, ± , Æ, à, , è A/O fAfhfCefX, ðŽg, Á, ½ ATA Y’è, É”äŠr, µ, ÄfpftfH [f}f“fX, ÌCEü∅ä, a”¾, ç, è, È, ç , ½, B Afif, fŠ f}fbfsf“fO, Ì’İ’ð, Ì-], Ü, µ, , È, ç, ±, Æ, Æ, ³, è, Ä, ç, Ü, · B

ATA fAfNfZfX•ûŽ®, ð[ATA fAfNfZfX•ûŽ®—Dæ†^É]f{fbfNfX, É’Ç%oÄ, ·, é, É, Í AŠY“— , ·, é fAfNfZfX•ûŽ®, ðfNfŠfbfN, µ, Ä”½“]•\Z!, ³, ¹, Ä, ©, ç A[>> ‘Ç%oÄ]f{f^f“, ðfNfŠfbfN, µ, Ü, · B

ATA fAfNfZfX•ûŽ®, ð[ATA fAfNfZfX•ûŽ®—Dæ†^É]f{fbfNfX, É∅í∅æ, ·, é, É, Í AŠY“— , ·, é fAfNfZfX•ûŽ®, ðfNfŠfbfN, µ, Ä”½“]•\Z!, ³, ¹, Ä, ©, ç A[>> í∅æ]f{f^f“, ðfNfŠfbfN, µ, Ü, · B

# ATA fAfNfZfX•ûŽ®—Dæ†ÊiCardSoftf,[fh,ì,Yj

[ATA fAfNfZfX•ûŽ®—Dæ†Ê]f{fbfNfX,Å,íACardWorks ,ªA’}“ü,<sup>3</sup>,ê,½ ATA PCfj[fh fffofCfX,ð,Ç,ì,æ,æ,ÉY’è,·,é,©,ªZwZ!,<sup>3</sup>,ê,Ü,·B,±,±,ì—á,Å,íACardWorks ,íA’}“ü,<sup>3</sup>,ê,½ATA fj[fh,ðAÅ%,ÉfSjffA I/O f,[fh,ÅAZÿ,ÉfZjff“f\_fŠ I/O f,[fh,ÅAÅæä,Éfvf%ofCf}fŠ I/O f,[fh,ÅY’è,µ,æ,æ,Æ,µ,Ü,·Bf,fŠ f,[fh,Å,íY’è,µ,æ,æ,Æ,í,µ,Ü,<sup>1</sup>,ñB

[A<Ž]f{f^f“,ðfNfŠfbfN,·,é,ÆA[ATA fAfNfZfX•ûŽ®—Dæ†Ê]f{fbfNfX,ì“ü— í,l,ð,·,x,Åíæ,<sup>3</sup>,ê,Ü,·B

## ATA PCfj [fh"ñ€<'iCardSoftf, [fh,ì,Ýj

Western Digital Caviar Ultralite f [fh ,íACardWorks ,áÝ'è,ì,½,ß,ÉŽQAE,·,é•K—v,È"à•"î•ñ  
(CIS) ,đŽ,Á,Ä,ç,È,ç,½,ß,É•Ê,î^μ,ç,É,È,Á,Ä,ç,Û,·B[ATA  
PCfj [fh"ñ€<']f`fFbfNf{fbfNfX,đf`fFbfN,μ,Ä,¨,,AEACardWorks ,Á,» ,ìj [fh,đÝ'è,·,é,±  
,AE,á,Ä,« ,Û,·B

**Ex**: Western Digital f [fh,đ—~—p%oÁ'\,É,·,é,AEACardWorks ,á¼,ìPCfj [fh,đÝ'è,·,é•û-  
@,É%oe<¿,đ<y,Û,·,±,AE,á, ,è,Û,·B,±,ìf`fFbfNf{fbfNfX,íAWestern Digital Caviar  
Ultralite f [fh,đŽg,æé# ,ÉCEÁ,èf`fFbfN,μ,Ä,,¼,³,çB

# ATA fAfnfZfX•ûŽ®—Dæ‡Ê,ì[Á<Ž]f{f^f“

[Á<Ž]f{f^f“,íA[ATA fAfnfZfX•ûŽ®—Dæ‡Ê]f{fbfNfX,©,ç“ü—  
í'í,đ,·,×,Äíæ,μ,Û,·B[Á<Ž]f{f^f“,đfNfŠfbfN,·,é,ÆA,·,×,Ä,ì ATA fAfnfZfX•ûŽ®,[ATA  
fAfnfZfX•ûŽ®ê—]f{fbfNfX,É,Ž,³,ê,Û,·B[ATA fAfnfZfX•ûŽ®—  
Dæ‡Ê]f{fbfNfX,đó(Á<Ž),ì,Û,Û,ìó'Ô,É,μ,Ä,,ÆAATA f[h,íY'è,³,ê,Û,¹,ñB



# fifvfVf#f“

Œ³, ìŸ'è, É-ß, ·, É, íA[fifvfVf#f“]fpfif<, ì[ffftfHf<fg, É-ß, ·], ð'í'ð, µ, Ü, ·B[ffftfHf<fg, É-ß, ·]  
, íAf, fff€Afifbfgf[]fN, Ü, ½, íATA, ífpf%of[]f^, ð•íX, µA, », ê, ðŒ³, É-ß, ³, É, -, ê, î, È, ç, È, ç, Æ, «, É—  
LŒø, Å, ·B

**fr[fv%o<sup>1</sup>**

,±,ìfìfvfVf#f“<@”\,íAfj[fh,ðo,μ“ü,ê,·,éÛ,ìfr[fv%o<sup>1</sup>,ð—LÆø^<sup>-3</sup>Æø,É,μ,Û,·B

## ffftfHf<fg,É-β,·

Œ³,ìŸ'è,É-β,·,É,íAfj□[fhIDŸ'èflfvjVf#f“,ìf\_fCfAf□fOf{fbfNfX,ì[ffftfHf<fg,É-β,·]  
,đ'đ,μ,Ü,·□B[ffftfHf<fg,É-β,·].í□Af,fff€□Af|bfjgf□□[fN,Ü,½,íATA,ìpf  
%of□□[f^,đ•í□X,μ□A,»,ê,đŒ³,É-β,³,É,¯,ê,î,È,ç,È,ç,Æ,«,É—LŒø,Å,·□B

## 'Ê'm

[fñbfZñfW—LCEø]ñA[ftñfUñ[fñbfZñfWŠm"ñF],É,Â,ç,Ä,ì,Ú,×,í,ñA%º,ì,ñ€-Ú,ðñfñŠñbfñN,µ,Ä,-  
,<sup>3</sup>/<sub>4</sub>,<sup>3</sup>,çñB

fñbfZñfW—LCEø

ftñfUñ[fñbfZñfWŠm"ñF

## f[]fbfZ[]fW—LCEø

[fj[]fh'] "üŽž,Éf[]fbfZ[]fW,ð•\Ž!:([]\[]-[]-CE÷Žž):

PCfj[]fh,³,ê,½PCfj[]fh,²'} "ü,³,ê,½,Æ,«,Éf[]fbfZ[]fW,ð•\Ž!,³,¹,é,©,Ç,α  
,©Žw'è,μ,Û,·[]Bf`fFfbfNf{fbfNfX,É "X" ,²•t,ç,Ä,ç  
,é,Æ[]A[]fj[]fh,²'} "ü,³,ê,é"x,Éf[]fbfZ[]fW,²o,Ä[]A[]fj[]fh-¼,Æfj[]fhf^fCfv,ð•\,í,·[]-³,É[]},²•\  
Ž!,³,ê,Û,·[]B,±,lf[]fbfZ[]fW,ì•\Ž![]^"ñ•\Ž!,ð[]Ø,è'Ö,!,é,É,í[]A[]f'α  
,lf{fbfNfX,ðfNfSfbfN,·,é,¾,~,Ä,·[]B•í[]X,μ,½"à—e,í,·,®,É—LCEø,É,È,è,Û,·[]B

[fj[]fh'] "üŽž,Éf[]fbfZ[]fW,ð•\Ž!([]\[]-Ž "sžž):

PCfj[]fh,ð'} "ü,μ[]A,» ,é,²[]\[]-³,ê,Ä,ç,È,ç,Æ,«,Éf[]fbfZ[]fW,ð•\Ž!,³,¹,é,©,Ç,α  
,©Žw'è,μ,Û,·[]Bf`fFfbfNf{fbfNfX,É "X" ,²•t,ç,Ä,ç  
,é,Æ[]A[]fj[]fh,²'} "ü,³,ê,é"x,Éf[]fbfZ[]fW,²•\Ž!,³,ê[]A[]fj[]fh,²[]\[]-³,ê,Ä,ç,È,ç,±  
,Æ,ðŽ!,·CEx[][],²o,³,ê,Û,·[]B,±,lf[]fbfZ[]fW,ì•\Ž![]^"ñ•\Ž!,ð[]Ø,è'Ö,!,é,É,í[]A[]f'α  
,lf{fbfNfX,ðfNfSfbfN,·,é,¾,~,Ä,·[]B•í[]X,μ,½"à—e,í,·,®,É—LCEø,É,È,è,Û,·[]B

[fj[]fh'] "üŽž,Éf[]fbfZ[]fW,ð•\Ž!( "FŽ-Ž "sžž):

PCfj[]fh,ð'} "ü,μ[]A,» ,é,²"FŽ-³,ê,È,ç,Æ,«,Éf[]fbfZ[]fW,ð•\Ž!,³,¹,é,©,Ç,α  
,©Žw'è,μ,Û,·[]Bf`fFfbfNf{fbfNfX,É "X" ,²•t,ç,Ä,ç  
,é,Æ[]A[]fj[]fh,²'} "ü,³,ê,é,½,Ñ,Éf[]fbfZ[]fW,²•\Ž!,³,ê[]A[]fj[]fh,²"FŽ-³,ê,Ä,ç,È,ç,±  
,Æ,ðŽ!,·CEx[][],²o,³,ê,Û,·[]B,±,lf[]fbfZ[]fW,ì•\Ž![]^"ñ•\Ž!,ð[]Ø,è'Ö,!,é,É,í[]A[]f'α  
,lf{fbfNfX,ðfNfSfbfN,·,é,¾,~,Ä,·[]B•í[]X,μ,½"à—e,í,·,®,É—LCEø,É,È,è,Û,·[]B

[fj[]fh"²,«Žæ,èžž,Éf[]fbfZ[]fW,ð•\Ž!]:

PCfj[]fh,²"²,«Žæ,ç,é,é"x,Éf[]fbfZ[]fW,ð•\Ž!,³,¹,é,©,Ç,α,©Žw'è,μ,Û,·[]Bf`fFfbfNf{fbfNfX,É  
"X" ,²•t,ç,Ä,ç,é,Æ[]A[]fRf"fsf...[]f^,ì  
PCfj[]fhfXf[]fbfg,©,çfj[]fh,²"²,«Žæ,ç,é,é"x,Éf[]fbfZ[]fW,²•\Ž!,³,ê,Û,·[]B,±,lf[]fbfZ[]fW,ì•\  
Ž![]^"ñ•\Ž!,ð[]Ø,è'Ö,!,é,É,í[]A[]f'α,lf{fbfNfX,ðfNfSfbfN,·,é,¾,~,Ä,·[]B•í[]X,μ,½"à—e,í,·,®,É  
—LCEø,É,È,è,Û,·[]B

# ft [fU [f fbfZ [fWŠm" F

[ft [fU [, iŠm" F'Ò, ě]:

Ž, 3, ê, 1/2 fbfZ [fW, ð^ê'è, ìžžŠÔĚã, ÉŽ © "® "I, ÉÁ, , ©A, Ü, 1/2, íA, » , ê, 1/4, ê, ìf fbfZ [fW, ðŠ  
m" F, µA [OK] f{f^f", ðfNfŠfbfN, , é, Ü, Å•Ž, 3, 1, Å, , -  
, ©, ðŽw'è, µ, Ü, ·B [ft [fU [, iŠm" F'Ò, ě] f`f fbfNf{fbfNfX, É "X" , a•t, ç, Å, ç, é, ÆA, Ü, , ·\  
Ž, 3, ê, 1/2 fbfZ [fW, Á, , 1/2, ß, É, íA, » , ìf fbfZ [fW, ðfNfŠfbfN, µ, Ü, ·B, Ü, 1/2A, ±  
, ìf`f fbfNf{fbfNfX, É "X" , a•t, ç, Å, ç, é, Æ, «, íA [ 'É' mf fbfZ [fW, ì\  
Ž, ·b" ] f fvfVf+f", ìŽw'è, Å, «, È, È, è, Ü, ·B (ŽŸ, ðŽQ Æj

[ 'É' mf fbfZ [fW, ì\Ž, ·b" ]:

CardWorks , a•\  
Ž, , éA f [fh, ì' } "üE"², «Žæ, è, ì, Æ, «, ìf fbfZ [fW, íACE^ , ß, ç, è, 1/2 ŽžŠÔĚã, ÉŽ © "® "I, ÉÁ, ì,  
é, æ, x, ÉY'è, Å, «, Ü, ·B, ±, ìf fvfVf+f", Å fbfZ [fW, ð\  
Ž, , éžžŠÔ, ðY'è, µ, Ü, ·B äĚü, «, Ü, 1/2, í%°Ěü, «-î ô, ðfNfŠfbfN, , é, ÆA fbfZ [fW, a•\  
Ž, 3, ê, Å, ç, éžžŠÔ, ð'²® , Å, «, Ü, ·B ·íX, µ, 1/2 "à—e, í, ·, ®, É—LĚø, É, È, è, Ü, ·B

## fXf[]fbfg f}fi[]fWf[]f“fg

‘æ,PfXf[]fbfg,ì”Ô[]t[]i,O,Ü,½,í,P[]j,ð‘l’ð,μ[]A^ê”Ô[]ã,Ü,½,í^ê”Ô  
%oo°,ìfXf[]fbfg,ð‘æ,PfXf[]fbfg,É,μ,Ä[]A,²Žg—p,ìfVfXfef€É,æ,èfTfj[]f[]fg,³,è,éŠefjPfbfg,É-  
¼‘O,ðŠ,,,è“-,Ä,é,±,Æ,ª,Ä,«,Ü,·[]B

## ‘æ,PfXf[]fbfg,ì”Ô[]t

,±,ìf{fbfNfX,Ä[]ACardWorks  
,ª‘æ,PfXf[]fbfg,ðfXf[]fbfg”Ô[]t,O,Æ,·,é,©fXf[]fbfg”Ô[]t,P,Æ,·,é,©,ðÆ^,ß,é,±  
,Æ,ª,Ä,«,Ü,·[]B‘æ,PfXf[]fbfg,ð[fXf[]fbfg,O],ÆCEÄ,Ô,±,Æ,ð‘l’ð,·,é,Æ[]Afrf“fsf...[]f^,ª,Q,Ä,ì  
PCfj[]f[]fh fXf[]fbfg,ðŽ[],Ä,Ä,ç  
,é[]ê[][]A‘æ,PfXf[]fbfg,ì[]AfXf[]fbfg,O,ÆCEÄ,î,ê[]A‘æ,QfXf[]fbfg,ì[]AfXf[]fbfg,P,ÆCEÄ,î,è,Ü,·[]Bffftf  
Hf<fg,Ä,ì[]A‘æ,PfXf[]fbfg”Ô[]t,ì[]AfXf[]fbfg,O,Ä,·[]B·ì[]X,μ,½“à—e,í,·,®,É—LCEø,É,È,è,Ü,·[]B

## fXf[]fbfg,ì·\Ž![]t

CardWorks ,ì[]Afrf“fsf...[]f^,ìPCfj[]f[]fh fXf[]fbfg,P,ð^ê”Ô[]ã,É·\Ž!,μ,Ü,·[]B,½,¾,μ[]ACardWorks  
,ì[]A^ê”Ô[]ã,É·\Ž!,³,¹,éfXf[]fbfg,ð‘æ,PfXf[]fbfg,É,·,é,©[]A^ê”Ô%oo°,É·\  
Ž!,³,¹,éfXf[]fbfg,ð‘æ,PfXf[]fbfg,É,·,é,©,ð‘l’ð,Ä,«,Ü,·[]BffftfHf<fg,Ä,ì[]AfXf[]fbfg,ì·\  
Ž![]t[]Y‘è,ì[]A[fXf[]fbfg,ð[],[]t,É·\Ž!],Ä,·[]B·ì[]X,μ,½“à—e,í,·,®,É—LCEø,É,È,è,Ü,·[]B

## fXf[]fbfg-¼

,Ü,½[]A,²Žg—p,ìfVfXfef€[]ã,ìŠefjPfbfg,ì,½,ß,ìfXf[]fbfg-¼,ð“ü—í,Ä,«,Ü,·[]B

# 'æ, PjXf[]fbfg, ì" Ô[]t

, ±, ìf{fbfNfX, Å[]ACardWorks

,<sup>a</sup>'æ, PjXf[]fbfg, ðfXf[]fbfg" Ô[]t, O, Æ, ·, é, ©fXf[]fbfg" Ô[]t, P, Æ, ·, é, ©, ðÆ^, ß, é, ±

, Æ, <sup>a</sup>, Å, «, Ü, ·[]B'æ, PjXf[]fbfg, ð[fXf[]fbfg, O], ÆCEÄ, Ô, ±, Æ, ð'l'ð, ·, é, Æ[]Afrf"fsf...[]f^, <sup>a</sup>, Q, Å, ì

PCj[][]fh fXf[]fbfg, ðZ[], Å, Å, ç

, é[]ê[]±[]A'æ, PjXf[]fbfg, ì[]AfXf[]fbfg, O, ÆCEÄ, ì, ê[]A'æ, QfXf[]fbfg, ì[]AfXf[]fbfg, P, ÆCEÄ, ì, è, Ü, ·[]Bffftf

Hf<fg, Å, ì[]A'æ, PjXf[]fbfg" Ô[]t, ì[]AfXf[]fbfg, O, Å, ·[]B·ì[]X, µ, ½"à—e, ì, ·, ®, É—LCEø, É, È, è, Ü, ·[]B



# fXf[]fbfg,ì•\Ž![]‡

CardWorks ,í[]Afrf“fsf...[]f^,ìPCfj[]fh fXf[]fbfg,P,đ^ê”Ô[]ă,É•\Ž!,μ,Û,·[]B,½,¾,μ[]ACardWorks  
,í[]A^ê”Ô[]ă,É•\Ž!,³,¹,éfXf[]fbfg,đ’æ,PfXf[]fbfg,É,·,é,©[]A^ê”Ô%°²,É•\  
Ž!,³,¹,éfXf[]fbfg,đ’æ,PfXf[]fbfg,É,·,é,©,đ’l’đ,Ă,«,Û,·[]BffftfHf<fg,Ă,í[]Afrf[]fbfg,ì•\  
Ž![]‡[]Ý’è,í[]A[fXf[]fbfg,đ[].[]‡,É•\Ž!],Ă,·[]B•í[]X,μ,½“à—e,í,·,®,É—LÆø,É,É,è,Û,·[]B

# ftfEf“fhftf@fCf<...

[ftfEf“fhftf@fCf<Ÿ`è]‰œ-Ê,Â,íAftfEf“fh fVfXfef€<sup>a</sup>, ,ê,íAftfEf“fh (.WAV ftf@fCf<) ,ðPCfj[fh,l’}“ü,â”<sup>2</sup>,«Žæ,è,lfcxf“fg,ÉŠÖ~A•t, ,é,±,Æ,<sup>a</sup>Â,«,Ü,·BCardWorks ,ðŽg,Á,ÄAftj[fh,<sup>a</sup>]“ü,<sup>3</sup>,ê,½,Æ,«Aftj[fh,<sup>a</sup>]FŽ<sup>-</sup>,<sup>3</sup>,ê,È,ç,Æ,«Aftj[fh,<sup>a</sup>]Ÿ`è,<sup>3</sup>,ê,Ä,ç,È,ç ,Æ,«Aftj[fh,<sup>a</sup>]”<sup>2</sup>,«Žæ,ç,è,½,Æ,«,É’í,µ,ÄA,»,è,¼,ê•É,lftfEf“fh,ð-Â,ç,<sup>1</sup>,é,±,Æ,<sup>a</sup>Â,«,Ü,·B

’<sup>0</sup>^Ó: ftfEf“fh fVfXfef€<sup>a</sup>fCf“fXfg[f<,<sup>3</sup>,ê,Ä,ç,È,ç,Æ,«,íA[ftfEf“fhftf@fCf<]fjff...[ ,íWfF•\ Ží,<sup>3</sup>,ê,Ü,·B

ftfEf“fhftf@fCf<,ð,»,è,¼,ê,l’ @ [ ,ÆŠÖ~A•t, ,é,É,ÍŽŸ,ì,æ,π,É,µ,Ü,·B

1. ftfEf“fh,ðŠÖ~A•t, ,éfcxf“fg,ì—x,É, ,éf‰ofWfIf{f^f“ ,ðfNfŠfbfN,µ,Ü,·B
2. [ŽQ[Æ]f{f^f“ ,ðfNfŠfbfN,µ,ÄA’I’ð,µ,½fCxf“fg,É’í‰ž, ,éftfEf“fhftf@fCf<(.WAV ftf@fCf<) ,ð’I,Ñ,Ü,·B
3. [fexfg]f{f^f“ ,ðfNfŠfbfN,µ,ÄAftfEf“fh,ð—~—p‰A”\,É, ,é’O,ÉAŽŽ,µ,É••,ç,Ä,Ÿ,Ü,·B
4. [—LCEø]f{fbfNfX ,ðfNfŠfbfN,µ,ÄAZŸ,Éfcxf“fg,<sup>a</sup>“[µ,½,Æ,«,ÉftfEf“fh,<sup>a</sup>-Â,é,æ,π ,É,µ,Ü,·B
5. [OK]f{f^f“ ,ðfNfŠfbfN,µ,ÄA—<sup>1</sup>,µ,Ü,·B

f\_CfAftjOf{fbfNfX,É,í^È‰‰,í€-Ú,<sup>a</sup>Ží,<sup>3</sup>,ê,Ü,·B

## [—LCEø]

[—LCEø],íAPCfj[fh,lfcxf“fg,ÉŠÖ~A,<sup>3</sup>,<sup>1</sup>,½ftfEf“fh,ð- Á,ç,<sup>1</sup>,½,èA[Ä,µ,½,è,µ,Ü,·B]f`fFfbfNf} [fN,í‰E’π,É•Ží,<sup>3</sup>,ê,Ä,ç ,éftfEf“fhftf@fCf< ,áŠÖ~A•t, ,ç,è,½fCxf“fg,<sup>a</sup>“[µ,½,Æ,«,ÉA[Ä]“<sup>1</sup>,<sup>3</sup>,ê,é,±,Æ,ðŽí,µ,Ä,ç ,Ü,·B

## [fj][fhfCxf“fg]

,S,Ä,Ü,Ä,lfCxf“fg,ðftfEf“fh,ÉŠÖ~A•t, ,é,±,Æ,<sup>a</sup>‰A”\,Ä,·B  
‘}“ü: PCfj[fh,<sup>a</sup>]fXf[fbfg,É’}“ü,<sup>3</sup>,êAftj[fhftT][frfX fNf %ofCfAft“fg,lšfNfGfXfg,É,æ,Á,ÄAftj[fhftT][frfX,É,æ,é<sup>3</sup>,µ,ç”FŽ<sup>-</sup>□A□□—<sup>a</sup>,<sup>3</sup>,ê,Ä,ç ,é□B

Ÿ`è,<sup>3</sup>,ê,È,çfj[fh: PCfj[fh,<sup>a</sup>]“ü,<sup>3</sup>,êA”FŽ<sup>-</sup>,<sup>3</sup>,ê,Ä,ç,é,<sup>a</sup>□A□□—<sup>3</sup>,ê,Ä,ç,È,ç□B— á,í,íAftj[fX,<sup>a</sup>«è,È,ç,½,ß,ÉfšA[íX<€#□ifRf“ftfšfNfg]j,<sup>a</sup>, ,«,Ä,ç,é□é□#,È,ç□B

”FŽ<sup>-</sup>,<sup>3</sup>,ê,È,çfj[fh: PCfj[fh,<sup>a</sup>]“ü,<sup>3</sup>,ê,Ä,ç,é,<sup>a</sup>”FŽ<sup>-</sup>fVfXfgEjFfA,Ä,í”FŽ<sup>-</sup>,<sup>3</sup>,ê,Ä,ç ,É,ç□B,Ä,Ü,èAftj[fhftT][frfX fNf‰ofCfAft“fg fhf‰ofCfo,<sup>a</sup>f□□[fh,<sup>3</sup>,ê,Ä,ç,È,ç□B

”<sup>2</sup>,«Žæ,è: PCfj[fh,<sup>a</sup>]fXf[fbfg, ©,çŽæ,è□o,<sup>3</sup>,ê,½□B

ftfEf“fh,ðä<L,lfcxf“fg,ì,ç,è, © ,ÆŠÖ~A•t, ,é,É,íAftfEf“fh,l‰ofWfIf{f^f“ ,ðfNfŠfbfN,µA[ŽQ[Æ]f{f^f“ ,ðfNfŠfbfN,µ,ÄftfEf“fh (.WAV) ftf@fCf<,ð’I’ð,µ,Ü,·B

## [ftfEf“fhftf@fCf<-¼]

[ŽQ[Æ]f{f^f“ ,ðŽg,Á,ÄftfEf“fh (.WAV) ftf@fCf<,ð’I,Ó,ÆAftfEf“fh ftf@fCf<,Æ[è]Š,<sup>a</sup> “ftfEf“fh ftf@fCf< ” ,í‰‰,lfCxf“fg,ì,Æ,È,è,É•\ Ží,<sup>3</sup>,ê,Ü,·B]fCxf“fg,ÉŠÖ~A•t, ,ç,è,½ftfEf“fhftf@fCf<-¼,â,»,lfffBfCEfNfgfš<sup>-¼</sup>,<sup>a</sup>, ,ç ,Æ,«,íACardWorks ,í•K—v,É[í•ñ,<sup>3</sup>/<sub>4</sub>, ,ðŽc,µ,ÄA[É—<sup>a</sup>CE` ,É,µ,Ü,·B

## [ŽQ[Æ]f{f^f“

[ŽQ[Æ]f{f^f“ ,ðfNfŠfbfN, ,é,ÆAfffBfXfN,É•Ü“<sup>1</sup>,<sup>3</sup>,ê,Ä,ç

,éftf@fCf<,ÉfAfNfZfX,Å,«,Ü,·□B.WAV Šg'£Žq (fTfEf“fh ftf@fCf<)  
,đŽ□,Āftf@fCf<,đ'ł'đ,μ□A[OK],đ'ł,ñ,Å,».,łftf@fCf<,đ'ł'đ,μ,Ü,·□B,±  
,łftf@fCf<,ł□ASÖ~A,·,éfCfxf“fg,ł%%E'α,ł□AftfEf“fhftf@fCf<-¼,ł—ñ,É•\Ž!,³,ê,Ü,·□B

180KB^È%º,łTfEf“fh ftf@fCf<,ł,²Žg—p,đ,“,·,·,β,μ,Ü,·□B

### [fefXfg]f{f^f“

fCfxf“fg,ÆŠÖ~A•t,·,éftfEf“fh (.WAV)  
ftf@fCf<,đ'ł'đ,μ,Ā□A[fefXfg]f{f^f“,đfNfŠfbfN,·,é,Æ,»,łTfEf“fh,đ•.,,±,Æ,ª,Å,«,Ü,·□B

### [□Á<Ž]f{f^f“

[□Á<Ž]f{f^f“,đfNfŠfbfN,·,é,Æ□A•\Ž!,³,ê,Ā,¢,éftf@fCf<-¼,đ□í□œ,μ,Ü,·□B”½“]•\  
Ž!,³,ê,½□s,¾,·,ª□í□œ,³,ê,Ü,·□B

## <N“®...>

[fAfvfŠfP[fVf#f“<N“®Y’è],Á,ÍAfAfvfŠfP[fVf#f“,ÆPCfj[fh,ðŠÖ~A•t,¯,é,±,Æ,ª,Ä,«,Ü,·BŠÖ~A•t,¯,ç,ê,½PCfj[fh,ª]“ü,³,ê,é,ÆA,»ÍfAfvfŠfP[fVf#f“,ÍŽ©“®“I,É<N“®,µ,Ü,·B

’□^Ó: CardWorks ,Í□APCfj[fh,ª\ □-¯,³,ê,½,Æ,«,É,¾,¼, □AŠÖ~A•t,¯,ç,ê,½fAfvfŠfP[fVf#f“,ð<N“®,µ,Ü,·B

PCfj[fh,ÆfAfvfŠfP[fVf#f“,ðŠÖ~A•t,¯,é,É,Í□AZÿ,ì,æ,æ,É,µ,Ü,·B

1. [fj□[fh-¼]f{fbfNfX,Á□A’îÚ,Æ,È,éj□[fh,ðfNfŠfNfN,µ,Ä”½”]•\Žì,³,¹,Ü,·B
2. [fj□[fh]f{f^f“,ðfNfŠfNfN,µ,Ü,·Bfj□[fh-¼,Æf□□[fj□•ñ,ª□A”fj□[fh-¼□Af□□[fj] f^fCfj<,ì%º,É•\Žì,³,ê,Ü,·B
3. [ŽQ□Æ]f{f^f“,ðfNfŠfNfN,µ,Ä□A’I’ð,µ,½fj□[fh,ÉŠÖ~A•t,¯,é,ÍfAfvfŠfP[fVf#f“,ð’I’ð,µ,Ü,·Bf AfvfŠfP[fVf#f“-¼,ÆfffBfCfNfjgš-¼,ª□A”fAfvfŠfP[fVf#f“ ftf@fCf<-¼” f^fCfj<,ì%º,É•\ Žì,³,ê,Ü,·B
4. [fejXfg]f{f^f“,ðfNfŠfNfN,µ,Ä□A³,µ,çfAfvfŠfP[fVf#f“,ª’I’ð,³,ê,Ä□A,»ê,ª<N“®,·,é,±,Æ,ðŠm”F,µ,Ü,·B
5. [<N“®,·,é]f{fbfNfX“à,ÁfNfŠfNfN,µ,Ä□Afj□[fh,ðŽÿ,É’}“ü,µ,½,Æ,«,ÉŽ©“®<N“®,·,é,æ,æ,É,µ,Ü,·BÜ,½□A -^%ñ□AŠÖ~A•t,¯,ç,ê,½fAfvfŠfP[fVf#f“,ð<N“®,·,é,x,«,©,Ç,æ,©,ðCardWorks ,ªŠm”F,·,é,æ,æ,É,µ,½,ç□ê□#,Í□A[Šm”F,·,é]f{fbfNfX,ðfNfŠfNfN,µ,Ü,·B
6. [OK]f{f^f“,ðfNfŠfNfN,µ,Ä□I—¹,µ,Ü,·B

Žÿ,ì□€-Ú,ª[fAfvfŠfP[fVf#f“<N“®Y’è]f\_fCfAf□fOf{fbfNfX,É•\Žì,³,ê,Ü,·B

## <N“®,·,é<

[<N“®,·,é]f`fFbfNf{fbfNfX,Á□APCfj[fh,ð’}“ü,µ,½,Æ,«,É□AŠÖ~A•t,¯,½fAfvfŠfP[fVf#f“,ðŽ ©“®<N“®,³,¹,½,è□A,³,¹,É,©,Á,½,è,·,é,±,Æ,ª,Ä,«,Ü,·Bf`fFbfNf{fbfNfX}□[fN,Í□A\ □-□Í,Ý,ìPCfj[fh,ª]“ü,³,ê,é,½,Ñ,É□A,±,é,ÉŠÖ~A•t,¯,ç,ê,½□A%ºE’æ,É•\Žì,³,ê,Ä,ç, éfAfvfŠfP[fVf#f“,ª<N“®,³,ê,é,±,Æ,ðŽì,µ,Ä,ç,Ü,·B

## [Šm”F,·,é<

[Šm”F,·,é]f`fFbfNf{fbfNfX,Á□Afj□[fh,ÉŠÖ~A•t,¯,ç,ê,½fAfvfŠfP[fVf#f“,ð<N“®,·,é,©,Ç,æ,©,ðŠm”F,·,é,±,Æ,ª,Ä,«,Ü,·Bf`fFbfNf{fbfNfX}□[fN,Í□ACardWorks ,ª□AŠÖ~A•t,¯,ç,ê,½fAfvfŠfP[fVf#f“,ð<N“®,·,é’O,É□A[Í,ç],©[ç,ç,ì],ð•,ç,Ä,·,é,±,Æ,ðŽì,µ,Ü,·B

## [fj□[fh-¼□Af□□[fj]

[fj□[fh-¼□Af□□[fj]—“É,Í□A<N“®,·,é,ÍfAfvfŠfP[fVf#f“,ÉŠÖ~A•t,¯,ç,ê,½fj□[fh,ì,h,c,ª\ Žì,³,ê,Ü,·BCardWorks ,Í□A,±,ì□•ñ,ð,»ìPCfj□[fh fn□[fhfEfFfA,ì CIS,©,ç□A¼□Ú“Ç,Ý□ž,Ý,Ü,·B

## [fAfvfŠfP[fVf#f“ftf@fCf<-¼]

[ŽQ□Æ]f{f^f“,ðŽg,Á,Ä<N“®fAfvfŠfP[fVf#f“,ð’I’ð,·,é,Æ□A[fAfvfŠfP[fVf#f“ftf@fCf<-¼] ,ì%º,ÍŠÖ~A•t,¯,ç,ê,½fj□[fh,ì-x,ÉfAfvfŠfP[fVf#f“-¼,ÆfffBfCfNfjgš-¼,ª\ Žì,³,ê,Ü,·BfAfvfŠfP[fVf#f“,ìfffBfCfNfjgš-¼,ª’,ç□ê□#,Í□ACardWorks ,ÍK— v,É□î•ñ,¾,¯,ðŽc,µ,Ä□A□È—ªCE`,É,µ,Ü,·B

## [fj□[fh-¼]f{fbfNfX

[fj□[fh-¼]f{fbfNfX,É,Í□AfRf“fsf...□[f^,ÉCE»Y’}“ü,³,ê,Ä,ç,éPCfj□[fh-¼,ª“ü,Á,Ä,ç

,Ü,·□B[fAfvfŠfP□[fvf†f“<N“@□Ý’è]f\_fCfAf□Of{fbfNfX,ª·\  
Ž!†,Éfj□[fh,ð”²,«Žæ,Ā,½,è’}“ü,μ,½,è,·,é,Æ□A,±,lf{fbfNfX,ì“à—e,íŽ©“@“l,É□X□V,³,è,Ü,·□B

**[OK]f{f^f“**

f\_fCfAf□Of{fbfNfX,É·\Ž! ,³,è,Ā,ç,é□ACE»Ý,lfAfvfŠfP□[fvf†f“<N“@□Ý’è,ð□³”F,·,é□Ü,É,±  
,lf{f^f“,ð’l’ð,μ,Ü,·□B

**[fj□[fh]f{f^f“**

[fj□[fh-¼]f{fbfNfX,Āfj□[fh-¼,ð”½“]·\Ž! ,³,¹,Ā,ç,é,Æ,«□A[fj□[fh]f{f^f“  
,ðfNfŠfbfN,·,é,Æ□A[fj□[fh-¼□Af□□[fj]f^fCfɡf<,l%º,É,»],lfj□[fh-¼,ª·\  
Ž! ,³,è□AfAfvfŠfP□[fvf†f“,Æ,»],lfj□[fh,ðŠÖ~A·t,·,é,±,Æ,ª,Ā,«.,Ü,·□B

**[ŽQ□Æ]f{f^f“**

[ŽQ□Æ]f{f^f“,ðfNfŠfbfN,·,é,Æ□A—~—p,Ā,«,éfhf  
%ofCfu“à,lf†f@fCf<,ÉfAfNfZfX,Ā,«.,Ü,·□B<N“@fAfvfŠfP□[fvf†f“,ð’l’ð,μ□A[OK]  
,ð’l,ñ,Ā,»],lf†f@fCf<,ð’l’ð,μ,Ü,·□B,±,lf†f@fCf<,l[fAfvfŠfP□[fvf†f“†f@fCf<-¼],l  
%º□ASÖ~A,μ,½fj□[fh,l%ºE’x,É·\Ž! ,³,è,Ü,·□B

**[fefXfg]f{f^f“**

fAfvfŠfP□[fvf†f“,ð’l’ð,μ,Ā□AZw’è,³,è,½PCfj□[fh,ÉŠÖ~A·t,·,Ā,·,-  
,Æ□A[fefXfg]f{f^f“,ðfNfŠfbfN,·,é,±,Æ,É,æ,Ā,Ā□AZ©“@“l,É<N“@,·,é,©,Ç,x,©ŽŽ,·,±  
,Æ,ª,Ā,«.,Ü,·□B

**[□Á<Ž]f{f^f“**

[□Á<Ž]f{f^f“,ðfNfŠfbfN,·,é,Æ□s,ª□í□œ,³,è,Ü,·□B”½“]·\Ž! ,³,è,½□s,¾,·,ð□í□œ,μ,Ü,·□B

**[fLfff“fZf<]f{f^f“**

[fLfff“fZf<]f{f^f“,ðfNfŠfbfN,·,é,Æ□A·ï□X,¹,·,Éf\_fCfAf□Of{fbfNfX,ð·Ā,¶,é,±,Æ,ª,Ā,«.,Ü,·□B

## PCJJ [fh fhf%ofCfo...

fhf%ofCfo Ý'è, ì Ú ×, É, Â, ç, Ä, í A, ±, ±, ð Nf ŠfbfN, µ, Ä, ¾, ¾, ç B

# [fEfBf“fhfE]f□fjf...□[

□Ú□×,É,Â,ç,Ä,Í%º,ì□€-Ú,øfNfŠfbfN,μ,Ä,,¾,³,ç□B

□d,Ë,Ä•\Ž!

•Ä,x,Ä•\Ž!

fAfCfRf“,ì□@—ñ

fEfBf“fhfE-¼

[d, Ě, Ä • Ž!] ifEjBf“fhfE f fjf... [j

[d, Ě, Ä • Ž!], íA, ç, Â, ©, ð, é, Æ, «, ÉA¼, ð, È, ÉA%E  
%º, É, ç, µ, È, çA, » , ê, ¼, ê, ð^fCfçfçfo[ , ð, é, æ, æ, É • Ž!, µ, Û, ·B





**[fAfcRf“, ì® —ñ] ifEfbf“fhfE fffj... [j**

, ±, ìRf}f“fh, ð' l' ð, ·, é, Æ[A%œ-Ê, ìfAfcRf“, ð® —, μA[c%o; , É®'R, Æ•À, x, Ü, ·B

**[fEjBf“fhfE-¼]ifEjBf“fhfE fffj...[]j**

ffj...[.É•\Ž|,³,ê,½fEjBf“fhfE-¼,đfNfŠfbfN,·,é,Æ□A,»,lfEjBf“fhfE,ª•\Ž|,³,ê,Ü,·□B

## fEfBf“fhfE,đŠJ,

[fEfBf“fhfE]f[]ff...[][,l%°•”,É,í[]ACardWorks ,ÅÆ»[]ÝŠ],©,ê,Ä,ç,é,·,×,Ä,lfEfBf“fhfE,ì-¼'O,³·\  
Ž!,³,ê,Ä,ç,Ü,·[]B[]¶'α,Éf`fFbfNf}[][fN,ì•t,ç,½-¼'O,í[]ACE»[]Ý“®[]i't,lfEfBf“fhfE,Å,·[]B

**[fwf<fv]f[]fjf...[]**

[]Ú[]×,É,Â,ç,Ä,Í[]A%°°,ì[]€-Ú,ðfNfŠfbfN,μ,Ä,,¾,¾,¾,ç[]B

-ÚŽŸ

fwf<fv,ÌŽg,ç•û

ReadMe

CardWizard,É,Â,ç,Ä

**[-ÚŽŸ]ifwf<fv fffj...[]j**

,±,lfjjf...[],đ'l'đ,·,é,Æ[]ACardWorks ,lfwf<fv,ì-ÚŽŸ,<sup>a</sup>•\Ž|,<sup>3</sup>,ê,Ü,·[]B

**[CardWizard ,É,Â,ç,Ä...]**ifwf<fv fffj...[]j

,±,lfjjf...[,đ'l'đ,·,é,ÆACardWorks ,fo[]fWf#f""Ô[]t,Æ'~[]iE []•ñ,<sup>a</sup>•\Ž|,<sup>3</sup>,ê,Ü,·[]B

# [CardWizard ,É,Â,ç,Ä]f\_fCfAf\_fOf{fbfNfX\_ifwf·fv f\_fjf...[]j

,±,ìf\_fCfAf\_fOf{fbfNfX,À,íACardWizard ,ÉŠÖ,·,éŽŸ,ìî•ñ,ð•\Ž,μ,Û,·B

CardWizard ,ìfo[]fWf#“fif“fo[],Æ”ÅCE ,ÉŠÖ,·,éî•ñ

,±,ìfAfvfŠfP[]fVf#“ ,Å—~—p%oÂ“\,Èf[]f,š,Æfn[]fhfffBfXfN,ÉŠÖ,·,éî•ñ



[fwf<fv, ðŽg, ç • û] ifwf<fv f fzfj... [ [j

, ±, ð fzfj... [ , ð ' l ' ð , · , é , Æ Windows 95 , ðfwf<fvfgfsfbfN, ð • \ Ž | , ð , é , Ü , · B

## [ReadMe...]ifwf<fv fffj...[]j

,±,lfjjf...[],đ'l'đ,·,é,Æ CardWorks f\ftfgfEfFfA,ì Readme ftj@fCf<,ª•\Ž|,³,ê,Û,·B

**[fc][f<fo][[**

Ú×,É,Â,ç,Ä,ÍA**fc][f<fo][[**ã,ì”C^Ó,ìf{f^f“,ðjNfŠfbfN,μ,Ä,,¾,³,çB

# [Wizard]f{f^f“

[Wizard]f{f^f“,í□Afj□[fh□î•ñfEfBf“fhfE,ì%°E%°°,É, ,è,Û,·□B

[Wizard],í□Af{f^f“,ð%°ÿ,·,ÆCE»,è,éPCfj□[fh,lfefNfjff<fTf|□[fgfGf“fWfjfA,Å□A,½,ç,Ö,ñ-ð,É—  
§,¿,Û,·□B[Wizard],ðŽg,!,í□A□”•b,Å,Û,Æ,ñ,Ç,ìPCfj□[fh,Å”□¶,μ,½fgf%°ofuf<,ð  
%°ðCE^,Å,«,Û,·□B[Wizard],³fgf%°ofuf<,ð%°ðCE^,Å,«,É,ç,Æ,«,Å,à□Afgf%°ofuf<,ì“à—  
e,ð“Á’è,Å,«ATA□Aft□[fU□[,âŽÁ□Û,lfefNfjff<fTf|□[fgfGf“fWfjfA,³□v’¬,Éfgf%°ofuf<,ð□^—□,Å,«,é,æ,æ  
,É,μ,Û,·□B

[Wizard],³<N“® ,³,è,é“x,É□A^è~A,lfZf<ftf`fFfbfN<@“\,³ŽÀ□s,³,è□A•K—v,ÈfRf“f|  
□[fj“fg,³,·, x,ÄfCf“fXfg□[f<,³,è□A□³,μ,“®□ì,μ,Å,ç,é,©,Ç,æ,©Šm,©,ß,Ä,-  
,è,Û,·□B,»,ì,Æ,«□ACardWorks ,lfRf“fsf...□[f^“à•”,ðfXfLfff“,μ□APCfj□[fh,ì□□¬,É—~—p,Å,«,éfŠf\  
□[fX,³, ,é,©,Ç,æ,©’², x,Û,·□B

# Wizard ĩ•ñ

CardWorks ,âft[fU[,ì'€ì,ð•K—v,Æ,μ,½,è□A-â'è,â□A-â'è,ì%ðCE^,É,Â,ç  
,Äft[fU[,É'm,ç,<sup>1</sup>,é□Ü,É□A[Wizardĩ•ñ],<sup>â</sup>•\Ž,<sup>3</sup>,é,Ü,·□B

%œ-É,ì□¶'α,É,í□Aft[fU[,Ö,ì□ĩ•ñ,â□Aft[fU[,<sup>â</sup>,Æ,é,±,Æ,ì,Â,«<sup>é</sup>,ç,,Â,©,ì'€□],<sup>â</sup>•\Ž,<sup>3</sup>,é,Ä,ç  
,Ü,·□B

%œ-É%E'α,ìf{f^f",í□A^È%œ,ì"à—e,É,È,è,Ü,·□B

**Ž©"®'ù** □ Wizard,<sup>â</sup>Ž©"®"I,É-â'è,ì□C□<sup>3</sup>□A□Ö"É,ì%ðCE^,ð,μ,Ü,·□B

**'ù** □ -â'è,ð□C□<sup>3</sup>,μ,½,è□A□Ö"É,ð%ðCE^,·,é•û-@,ðŽwŽ!,μ,Ü,·□B

**□I—<sup>1</sup>** □ [Wizardĩ•ñ],ð□I—<sup>1</sup>,μ□A,·,×,Ä,ì•ï□XŽ-□€,ðŽæ,è□Á,·,±,Æ,<sup>â</sup>,Â,«<sup>é</sup>,Ü,·□B

**'I'ð** □ 'I'ð,μ,½,çŽž,±,ìf{f^f",ð%ÿ,μ,Ä,,<sup>3</sup>/<sub>4</sub>,<sup>3</sup>,ç□B

**fŠfu□lfg** □ <□S"l,ÉfVfXfef€,ðfŠfu□lfg,·,éŽž□A,±,ìf{f^f",ð%ÿ,μ,Ä,,<sup>3</sup>/<sub>4</sub>,<sup>3</sup>,ç□B

**□Ä<N"®** □ Windows 95,ð□Ä<N"®,<sup>3</sup>,<sup>1</sup>,éŽž,±,ìf{f^f",ð%ÿ,μ,Ä,,<sup>3</sup>/<sub>4</sub>,<sup>3</sup>,ç□B

# f,fWf... [f< i•Ž!f fff... [ [j

PCj [fh,đfTj [fg, ,é, ½, ß, Éf [fh, ³, ê, é, ³, Ü, ´, Ü, Èfhf%ofCfo, É, Â, ç, Ä, ì Afo [fWfjf“ ì î•ñ, ðŒ©, é, ±, Æ, ², Å, «, Ü, · B

PCj [fhf,fWf... [f< ,²PCj [fhŽd—l, É], Á, Ä, ‘, ©, ê, Ä, ç, é, Æ ACardWorks , ÍŠÈ’P, Éf\ ftfgfEjFfA, ©, ç ^ È%º, ì î•ñ, ð ^ ø, « o, ·, ±, Æ, ², Å, «, Ü, · BCardWorks , Í- ¼ ì Afo [fWfjf“ Afo [fWfjf“, ì “ ú•t APCj [fh fo [fWfjf“ Afxf“ f\_ -¼, ð ^ ø, « o, » , x, ÆŽŽ, Ý, Ü, · B

**Y'è iflvfVfjf" fjfj... [j**

CardSoft f, [fh, ÅPCfj [fh, ifpf%of [f^, ðY'è, Å, «, Ü, ·B

PCfj [fh, ì\ - , ìÚ ×, ÉŠÖ, μ, Ä, íAf, fff€ Afjfbfgf [fN AATA AfjlvfVfjf" , ì't, ©, ç' l' ð, Å, «, Ü, ·B

# 'Ê'm iflvfVf†f“ f fjf...[]j

fj[fh,ð'}“ü,μ,½,èA”²,«Žæ,é,Æ,«,É%œ-Ê,ÉfbfZ[fW,ð•Ž,³,¹,é,©,Ç,κ,©,ðÝ’è,μ,Û,·B

[fbfZ[fW—LÆø]A[ft[fU[,ìfbfZ[fWŠm”F]  
,ìÚ×,ÉSÖ,μ,Ä,íAZÿ,ì,Ç,¿,Ç,©,ðNfŠfbfN,μ,Ä,¾,³,çB

[fbfZ\[fW—LÆø](#)

[ft\[fU\[,ìfbfZ\[fWŠm”F](#)



# **fXf[]fbfg f}fl[]lfWf[]f“fg[]iflvfVf#f“ f[]fjf...[][]j**

fj[]fh[]î•ň,ì•\Ž!CE`‘Ó,đ[]Ý’è,Å,«,Û,·[]B

[]g‘æ,PfXf[]fbfg,ì”Ô[]+[]h,Æ[]gfXf[]fbfg,ì•\Ž![]#[]h,ì[]Ú[]×,ÉŠÖ,μ,Ä,í[]A^È  
%°²,ì,Ç,¿,ç,©,đfNfŠfbfN,μ,Ä,,¾,³,ç[]B

[‘æ,PfXf\[\]fbfg,ì”Ô\[\]+](#)

[fXf\[\]fbfg,ì•\Ž!\[\]#](#)

**fpf [ f}fi [fWf [f“fg iflvfVf†f“ f}fjf... [ [j**  
fPfbfg,Ü,½,ÍAf\_fvf^,Ö,ì“dCE¹,ð\$CEä,Å,«,Ü,·ifif“,Ü,½,ÍftjB

**fr[fv%o<sup>1</sup>iflfvfVf#f“ fffj...[[]j**

fj[fh,ð'}“ü,μ,½,èA”²,«Žæ,é,Æ,«,Éfr[fv%o<sup>1</sup>,ð-Â,ç,·,©,Ç,κ,©,ðÝ’è,μ,Û,·B

# ftfEf“fhftf@fCf<[]ifvfvf#f“ f[]fj...[][]

ftfEf“fh (.wav ftf@fCf<) , ð PCfj[] [fh, l' } “ü, â”², «Žæ, è, ðfCxf“fg, ÆŠÖ~A•t, ¯, é, ±, Æ, ¢, Å, «, Ü, ·[]B

[ftfEf“fhftf@fCf<[]Y'è] %øæ-Ê, Å, í[]AftfEf“fh fvfxfef€, ¢, , ê, í[]AftfEf“fh (.WAV ftf@fCf<)

, ðPCfj[] [fh, l' } “ü, â”², «Žæ, è, ðfCxf“fg, ÉŠÖ~A•t, ¯, é, ±, Æ, ¢, Å, «, Ü, ·[]B CardWorks

, ðŽg, Á, Å[]Afj[] [fh, ¢' } “ü, ¢, ê, ½, Æ, «[]Afj[] [fh, ¢”FŽ ¯, ¢, ê, È, ¢, Æ, «[]Afj[] [fh, ¢\[]- ¯, ¢, ê, Ä, ¢, È, ¢

, Æ, «[]Afj[] [fh, ¢”², «Žæ, ¢, ê, ½, Æ, «, É'í, µ, Å[]A, » , ê, ¼, ê•Ê, ðftfEf“fh, ð-Å, ¢, ¯, é, ±, Æ, ¢, Å, «, Ü, ·[]B

'[]^Ó:ftfEf“fh fvfxfef€, ¢fCf“fxfg[] [f<, ¢, ê, Ä, ¢, È, ¢

, Æ, «, í[]A[ftfEf“fhftf@fCf<]fRf}f“fh, l'W[]F•\Ž|, ¢, ê, Ü, ·[]B

ftfEf“fhftf@fCf<, í[]Ú×, É, Å, ¢, Ä, í[]A, ±, ±, ðfNfŠfbfN, µ, Ä, ¢, ¾, ¢, ¢[]B

<N“®...iflvfvf#f“ f#fj...[]

fAfvfŠfP[]fVf#f“,Æ PCj[]fh,ðŠÖ~A•t,~,é,±  
,Æ,ª,Ä,«[]Ajj[]fh,ª’}“ü,³,ê,½,Æ,«,ÉfAfvfŠfP[]fVf#f“,ðŽ©“®“l,É<N“®,³,¹,Ü,·[]B

<N“®fAfvfŠfP[]fVf#f“,ìÚ×,É,Â,ç,Ä,í[]A,±,±,ðNfŠfbfN,µ,Ä,¾,³,ç[]B

## f,fWf...[f<

PCfj[fhf,fWf...[f<,PCfj[fhŽd—I,É],Á,Ä',©,ê,Ä,č,é,ÆACardWorks ,ÍŠÈ'P,Éf  
ftfgfEjFfA,©,ç^È%º,ìî•ñ,ð^ø,«o,·,±,Æ,ª,Å,«,Ü,·BCardWorks ,ÍŽŸ,ìî•ñ,ð^ø,«,¾,»  
,ÆŽŽ,Ý,Û,·B

**-¾ì:** f\ftfgfEjFfA“à,É, ,éf,fWf...[f<,ì-  
¾ììB'¶Y,µ,È,©,Á,½,èA”»“Ç,Å,«,È,©,Á,½,è,·,éè¶,íAqgi•s-¾j[h,Æ•Ž!,³,ê,Û,·B

**fo[fWf#f“:** f,fWf...[f<“ÆŽ©,ìDfif“fo[

**“ú•t:** f,fWf...[f<,¶Šš[fX,³,ê,½“ú•t

**PCfj[fh fo[fWf#f“:** PCfj[fh€<',ìfÆfxf<BÅV,ì PCMCIA Žd—I,ÍPCfj[fh<KŠi,Å,·B

**fxf“f\_¾:** f,fWf...[f<,ì³<KŠ—LŽÒ

# Žg—p□I—<sup>1</sup>

[Žg—p□I—<sup>1</sup>]f□fjf...□[É,æ,Á,Ä□APnP(Windows 95□j,ì,Ý,Å□Ý'è,<sup>3</sup>,è,Ä,ç,éj□[fh,ìŽg—p,ðfXfgfbfv,·,é,±,Æ,<sup>a</sup>,Ä,«,Ü,·□BfXfgfbfv,íWindows 95,É,æ,Á,Ä□A,·,×,Ä,ìfofbftf@,ðfNfSfA,μ□AfAvfSfP□[fVf#f“,<sup>a</sup>,»],ìj□[fh,ðŽg—p,à,μ,-,ìfAfNfZfX,μ,Ä,ç,É,ç,±,Æ,ðSm“F,·,é,<sup>1</sup>/<sub>2</sub>,ß,ÉŽg—p,<sup>3</sup>,è,Ü,·□BCardWorks ,Ä,í□A[Žg—p□I—<sup>1</sup>],ð'ì'ð,μ,Äfj□[fh,ðfXfgfbfv,·,é,±,Æ,<sup>a</sup>,Ä,«,Ü,·□B,±,ìf□fjf...□[í□ACardSoft f,□[fh,<sup>a</sup>□]“® ,μ,Ä,ç,é,Æ,«□A,à,μ,,í□Afj□[fh,<sup>a</sup>,·,Ä,ÉfXfgfbfv,μ,Ä,ç,é,Æ,«,í'W□F,Ä•\Ž!,<sup>3</sup>,è,Ä,ç,Ü,·□B[Žg—p□I—<sup>1</sup>],<sup>a</sup>□—CE÷,μ,<sup>1</sup>/<sub>2</sub>□è□‡,É,í□AŠm“Ff□fbfZ□[fW,<sup>a</sup>•\Ž!,<sup>3</sup>,è,Ü,·,<sup>a</sup>□A[Žg—p□I—<sup>1</sup>],<sup>a</sup>Ž,“s,μ,<sup>1</sup>/<sub>2</sub>,Æ,«,É,í□AfVfXfef€,í□AŠm“Ff□fbfZ□[fW,ð'—,ç,È,ç,ì,Ä□Af□fbfZ□[fW,í•\Ž!,<sup>3</sup>,è,Ü,<sup>1</sup>,ñ□B,±,è,í□Afj□[fh,ðŽg—p't,ìfAvfSfP□[fVf#f“,<sup>a</sup>□[fh,ì%ð•ú,ð<'“Ú,μ,<sup>1</sup>/<sub>2</sub>□è□‡,É<N,±,è,Ü,·□Bf□fbfZ□[fW,<sup>a</sup>•\Ž!,<sup>3</sup>,è,é^fCf~f“fO,í□A□]“®'t,ìfAvfSfP□[fVf#f“,É^È'¶,·,é,ì,Ä□A—\<sup>a</sup>,í,Ä,«,Ü,<sup>1</sup>,ñ□B

**[Wizard]**f{f^f“,ð%öÿ,·,Æ□Afj□[fh,<sup>a</sup>fXfgfbfv,<sup>3</sup>,è,Ä,ç,é,±,Æ,ð•\Ž!,μ,Ü,·□B

'□^Ó:,P%ñ,É,P-‡,ìj□[fh,ð'âŽ~ ,Ä,«,Ü,·□B,ç,Á,<sup>1</sup>/<sub>2</sub>,ñ[Žg—p□I—<sup>1</sup>]  
<sup>1</sup>]‘€□ì,ðŠJŽn,·,é,Æ□A,»],ìj□[fh,<sup>a</sup>Š®'S,ÉfXfgfbfv,·,é,©□A,à,μ,-,ìfXfgfbfv,<sup>a</sup>Ž,“s,·,é,Ü,ÄŽÿ,ìj□[fh,ìfXfgfbfv'€□ì,í,Ä,«,Ü,<sup>1</sup>,ñ□B

•K,ŠePCfj□[fh,<sup>2</sup>,Æ,É'âŽ~ ,<sup>3</sup>,<sup>1</sup>,Ä,,<sup>3</sup>/<sub>4</sub>,<sup>3</sup>,ç□Bfj□[fh,ð“<sup>2</sup>,«Žæ,é'O,ÉPCfj□[fh,ð'âŽ~ ,<sup>3</sup>,<sup>1</sup>,É,ç,Æ□AfVfXfef€,ìftfŠ□[fY□Aff□[f^,ì<sup>1</sup>Ž,ð^ø,«<N,±,·,±,Æ,<sup>a</sup>,è,Ü,·□iATA,âLANfj□[fh,í□è□‡□]□B

## fffBfXfN,lfCf“fXfg□lf<

PCj□[fhxf“f\_ , ©, ç' ñ<ÿ,³,ê,½fffBfXfN,đfCf“fXfg□[f<,μ,Ü,·□B,±,lfBfXfN,É,Í□Afvf  
%ofOfAf“fhfvfÆfCfhf%ofCfo(Windows 95—p,É□ì,ç,ê,½,à,ì□j,à,μ,,í□AfŠfAf<f,□[fhfhf%ofCfo,ª,í,ç  
,Á,Ä,ç,Ü,·□B,Ç,¿,ç,ì□ê□‡,Å,à□ACardWorks ,í□A,» ,lfhf%ofCfo,đŽg—p,μ,ÄPCj□[fh,đ□\□¬,·,é,±  
,Æ,ª,Å,«,Ü,·□B



# fCf“fXfg□[f<•û-@

CardWorks ,<sup>a</sup>PCfj□[fh,đfvf%ofOfAf“fhfvfCEfC,ÅŽg—p,·,é,½,β,É•K—v,È\ftfgEjFfA,<sup>a</sup>fCf“fXfg□[f<,<sup>3</sup>,ê,Ä,ç,é,±,Æ,đCEŸ’m,Å,«,É,©,Á,½□ê□#□Aft□[fU□[<sup>a</sup>È%°°,ì□€-Ú,ì“à,©,ç“K□Ø,É,à,ì,đ‘đ,·,é,ÆfvfXfef€,ÅPCfj□[fh,ì□î•ñ,<sup>a</sup>Žg—p,Å,«,é,æ,κ,É,È,è,Û,·□B

## fj□[fhf□□[fi,<sup>a</sup>ñ<Ÿ,μ,½fffBfXfPfbfg,đ□Š—L:

PCfj□[fh,É“Y•t,<sup>3</sup>,ê,½□Af□□[fi,ìfCf“fXfg□[f<fffBfXfN,đŽ□,Á,Ä,ç,é□ê□#□A,±,ìfCf“fXfg□[f<•û-@,đ‘đ,μ,Ä,,<sup>3</sup>/<sub>4</sub>,<sup>3</sup>,ç□B

## fXf^f“f\_□[fhf,fff€,Æ,μ,ÄfCf“fXfg□[f<: fj□[fh,<sup>a</sup>f,fff€,ì□ê□#□B

## fXf^f“f\_□[fhfn□[fhfffBfXfN,Æ,μ,ÄfCf“fXfg□[f<(ATA Äb”½.):

fj□[fh,<sup>a</sup>fn□[fhfffBfXfN,ì□ê□#□B

## CardSoft f\_□[fh,đŽg—p: □ã<L,R,Ä,É“-,Ä,í,Û,ç,È,ç□ê□#□B



## Žg—p—<sup>1</sup>ifAfNfVf#f“ f#fj...[]

[Žg—p—<sup>1</sup>],É,æ,Á,ÄAPnP(Windows 95,ì,Ý,Å\—,<sup>3</sup>,ê,Ä,ç,éj[]fh,đfXfgfbfv,·,é,±,Æ,<sup>a</sup>,Å,«,·BfXfgfbfv,íWindows 95,É,æ,Á,ÄA,·,×,Ä,ífofbftf@,đfNfŠfA,μAfAfvfŠfP[]fVf#f“,<sup>a</sup>,»,ìj[]fh,đŽg—p,à,μ,-,íAfNfZfX,μ,Ä,ç,É,ç,±,Æ,đSm”F,·,é,<sup>1</sup>/<sub>2</sub>,ß,ÉŽg—p,<sup>3</sup>,ê,Ü,·B

## ATA fj[fh,]ftfH[f]fbfg

ATA PCj[fh,]í½,,ìŠO•“<L%o~fffofCfX,Æ“—l,ÉŽg—p,·,é,±,Æ,ª,À,«,Ü,·□B□V,μ,¢ATA  
j[fh,]í¼,lfñ□[fhfffBfXfN,Æ“—l,É□%Šú%o»,ÆftfH□[f]fbfg,đ,μ,È,,Ä,Í,¢,·,Ü,¹,ñ□B

,Ü,Æ,ñ,Ç,ì□ê□#□AATA fj[fh,]í□%Šú%o»,³,êftfH□[f]fbfg,³,ê,Ä□A,“ŽèCE³,É“í,«,Ü,·□B

### □%Šú%o»

,Ü,ê,É ATA fj[fh,]đ□%Šú%o»,μ,È,,Ä,Í,È,ç,È,¢,±,Æ,ª,è,Ü,·□B,±,ì□ê□#,í□A[fj□[fh□î•ñ]□%æ-  
È,©,ç□AATA fj[fh,]lfAfCfRf“,Éj□[f]f<,đ’u,¢,Äf}fEfX,ì%oEf{f^f“,đ%oÿ,μ□A[fvf□fpfefB]  
,đfNfŠfbfN,μ,Ä,©,ç□A[f□f,]fŠ fj[fh ft□[fefBfŠfefB],đfNfŠfbfN,μ,Ü,·□B

ATA fj[fh,]đ□%Šú%o»,μ,È,,Ä,Í,È,ç,È,¢□ê□#,í□AftfH□[f]fbfg,·,é’O,É□A[□Á·Ž□^□%Šú%o»]  
,đfNfŠfbfN,μ,Ä,,¼,³,¢□B[fhf%ofCfu fpf%of□□[f^,]lSm”F]f\_fCfAf□fOf{fbfNfX,ª•\Ž!,³,ê□A,±,ìATA  
j[fh,]ì,½,ß,ìCEÁ’èfVfŠf“f\_□Afwfbfh□AfZfNf^□^fgf%ofbfN,ì□”,đfŠfXfgfAfbfv,μ,Ü,·□B,±  
,ìî•ñ,ì□AATA fj[fh,]©,ç’¼□Ú“Ç,Y□ž,Ü,ê□A□³Sm,È,í,,Ä,·□B,±,é,ç,ì□Y’è,Ä,È,ñ,ç,©,lfGf  
%o□[,É<C,ª,À,¢,½□ê□#,ì□A□³,μ,¢’l,đ“ü—í,μ,Ä,,¼,³,¢□B

**[OK]**,đfNfŠfbfN,μ□A□%Šú%o»,đCEp’±,μ,Ü,·□B

## ftfH□[f]fbfg

Windows 95,©,çPCŠO•“<L%o~□^fn□[fhfffBfXfN,đftfH□[f]fbfg,·,é,É,í□A^È%oº,ìžè□#,É□],Á,Ä,-  
,¼,³,¢□B

□E f{fŠf...□[f€f%ofxf<,đ“ü—í,·,é□i”C^Ó□]□B

□E **[OK]**f{f^f“,đ%oÿ,μ,ÄPCfj□[fh,]ftfH□[f]fbfg,đ,·,é□B

,¢,Á,½,ñftfH□[f]fbfg,ªŠ®—¹,·,ê,î□Afj□[fh,]ªŽg—p,À,«,é,í,,Ä,·□B

## ftf%ofbfVf...fj[fh,iftfH[f}fbfg

PCftf%ofbfVf...fj[fh,íA'½,,ìŠO•" <L%o~fffofCfX,Æ"^-l,ÉŽg—p,·,é,±,Æ,ª,Å,«,Ü,·Bftf%ofbfVf...  
[fj[fh,íAŽg—p,·,é'O,É•K,·%Šú  
%o»,ÆftfH[f}fbfg,đ,μ,È,·,ê,î,É,è,Ü,<sup>1</sup>,ñBftfH[f}fbfg,íŽÿ,ìŽè±,Ås,Á,Ä,<sup>¾</sup>,<sup>¾</sup>,çB

,Ü,Æ,ñ,Ç,ìê±Aftf%ofbfVf... fj[fh,iftfH[f}fbfgi%Šú  
%o»,đŠÚ,þj,<sup>¾</sup>,ê,ÄA,·ŽèÆ<sup>3</sup>,É"í,«,Ü,<sup>1</sup>B

## [%Šú%»

,Ü,ê,É PCftf%ofbfVf...fj[fh,đ%Šú%»μ,È,,Ä,í,È,ç,È,ç,±,Æ,ª,è,Ü,·B,±,ìê±,íA[fj[fhî•ñ]  
%oæ-É,©,çAPCftf%ofbfVf...fj[fh,íAfcfRf"Éj[f<đ'u,ç,Äf}fEfX,ì%Ef{f^f",đ  
%oÿ,μA[fvf]pfefB],đfNfŠfbfN,μ,Ä,©,çA[f]f,fS fj[fh ft[fefBfŠfefB],đfNfŠfbfN,μ,Ü,·B

PCftf%ofbfVf...fj[fh,đ%Šú%»μ,È,,Ä,í,È,ç,È,çê±,íAftfH[f}fbfg,·,é'O,ÉA[Á<Ž^%Šú  
%o»],đfNfŠfbfN,μ,Ä,<sup>¾</sup>,<sup>¾</sup>,çB[fhf%ofCfu fpf%of[f^,ìŠm"Flf\_fCfAfOf{fbfNfX,ª\  
Ž,·,é,Ü,·B[ŠŽn],đ%ÿ,·,ÆAÁ<Ž,ìó<μ,đŽ,·fh%ofCfoi□s□ó<μfo[.ªÆ»,è,Ü,·B

## ftfH[f}fbfg

Windows 95,©,çPCŠO•" <L%o~^fn[fhfffBfXfN,đftfH[f}fbfg,·,é,É,íA^È%oº,ìŽè±,É],Á,Ä,-  
,¾,<sup>¾</sup>,çB

□E f{fŠf...[f€f%ofxf<,đ"ü—í,·,éi"C^Ó]□B

□E [OK]f{f^f",đ%ÿ,μ,ÄPCfj[fh,iftfH[f}fbfg,đ,·,é□B

,ç,Á,½,ñftfH[f}fbfg,ªŠ®—<sup>1</sup>,·,ê,îA fj[fh,ªŽg—p,Å,«,é,í,,Á,·B

# SRAM f j [fh, ìftfH [f} f bfg

SRAM PC f j [fh, í A '½,, ÌŠO • " < L % \_ f f f o f C f X, Æ " - l, É Ž g - p, ·, é, ±, Æ, ð, Å, «, Ü, · BSRAM f j [fh, Í Ž g - p, ·, é, O, É • K, , □ % Š ú % » , Æ f t f H [f} f b f g, ð, μ, È, ^, ê, î, È, è, Ü, ^, ñ B Windows 95, ©, ç PC Š O • " < L % \_ □ ^ f n □ [f h f f f B f X f N, ð f t f H [f} f b f g, ·, é, É, í A [f j □ [f h □ î • ñ ] % æ - È, ©, ç ASRAM f j □ [f h, ì f A f C f R f " , É f j □ [f \ f < , ð ' u, ç, Ā f } f E f X, Ì % E f { f ^ f " , ð % Ÿ, μ A [f v f □ f p f e f B ] , ð f N f Š f b f N, μ, Å, ©, ç A [f f, f Š f j □ [f h f t □ [f e f B f Š f e f B ] , ð f N f Š f b f N, μ, Ů, · B

□ E f { f Š f ... □ [f e f % o f x f < , ð " ü - í, ·, é □ i " C ^ Ó □ j

□ E [f h f % o f C f u □ ^ f p □ [f e f B f v f f # " , ì f t f H [f} f b f g ] f { f ^ f " , ð % Ÿ, μ, Ä PC f j □ [f h, ð f t f H [f} f b f g, ·, é □ B , ç, Á, ½, ñ f t f H [f} f b f g, ð | - 1, ·, é, î □ A f j □ [f h, ð Ž g, l, é, í, , , Å, · □ B

## PCjj [fh<KŠi

CardWorks ,íAÅV,ìPCMCIAH<Æ<KŠi,Å ,éAPCjj [fh <KŠi,É€ ,¶,Ä,ç,Ü,·BCardWorks ,í  
f}f`ftf@f“fNfVf#f” fj [fh i,P-‡,Å,V,Â,Ü,Å,ì<@”\j,âf}f`f{f<fefCfW  
jj [fh (3.3V A5.0V A12V j AfY [f€fh frfff i ADMA ,É,Ç,ì,·,x,Ä,ìPCjj [fh <@”\ A32frfbfg CardBus  
jj [fh,ðfTf [fg,μ,Ü,·B

□**W**

SystemSoft, íSystemSoft ŽĐ, ì“o~^□**W**, Å, ·□B

CardSoft□ACardWorks□ACardWizard , íSystemSoft ŽĐ, ì□**W**, Å, ·

, »; ì¼, ·, x, Ä, ì□**W**, í³<K□Š—LŽÒ, ÉÉ —~;ª, , è, Ü, ·□B



# PC f j [fh fvf [pfefB - f [f, fš f j [fh ft [fefBfšfefB

[fvf [pfefB] f [fCfAf [fOf {fbfNfX, íA' @ [Afšf [fX [APC f j [fh, đftf [fg, , é, ½, ß, Éf [fh, ³, è, ½fhf %ofCfo, ÉŠÖ, , éfo [fWf+f " [í•ñ, đ•\Ž!, μ, Û, , [B, ³, ç, É [ACardSoft f, [fh, ĀZĀs't, lf [f, fš [ffBfXfN f j [fh, ì, ½, ß, É [Alf [f, fš f j [fh ft [fefBfšfefB] f^fu, à•\Ž!, ³, è, Û, , [B

PCŠO• " <L%o~fffofCfX [f^n [fhfffBfXfN f j [fh, íA' ½, , ìŠO• " <L%o~fffofCfX, Æ" -l, ÉŽg—p, , é, ±, Æ, ð, Ā, «, Û, , [Bf [f, fšPC f j [fh, l't, É, íAŽg—p, , é'O, ÉftfH [f}fbfg, đ, μ, È, , Ā, í, ç, , È, ç, à, ì, ð, , è, Û, , [B, Û, ½ [Afj [fh] ä, lf [f^fVfXfef€, ©ftf@fCf<fVfXfef€, ð"j¹, μ, ½ [é [f, íAftfH [f}fbfg, đ, μ, È, -, Ā, í, È, ç, È, ç [é [f, ð, , è, Û, , [B

Windows95, ©, çPCŠO• " <L%o~ [f^n [fhfffBfXfN, đftfH [f}fbfg, , é, È, íA^è%o, ìžè [f, É [f], Ā, Ā, -, ¾, ¾, ç [B

1. f {fšf... [f€f%ofxf<, đ"ü—í, , é [i" C^Ó [B

2. [fhf

%ofCfu [f^fp [fefBfVf+f " , ìftfH [f}fbfg] f`fFfbfNf {fbfNfX, đ'l'đ, μ, ĀPC f j [fh, đftfH [f}fbfg, , é [B

, ç, Ā, ½, ñftfH [f}fbfg, ðŠ@—¹, , è, íA [fj [fh, ðŽg—p, Ā, «, é, í, , Ā, , [B

ftf%ofbfVf... [f^ATA f j [fh, ìA<Ž [f^ [f%Šú%o»

ftf%ofbfVf... f j [fh, Æ ATA f j [fh, ì [é [f, íA [A<Ž [f^ [f%Šú%o»] f {f^f " , ð—LCE [f] " ½ " ] • \ Ž! [f, È, È, è, Û, , [Bf j [fh] ä, lf [f^fVfXfef€, ©ftf@fCf<fVfXfef€, ð"j¹, μ, ½ [é [f, íAftfH [f}fbfg, đ, μ, È, -, Ā, í, È, ç, È, ç [é [f, ð, , è, Û, , [Bftf%ofbfVf... f j [fh, ì [é [f, íA [fj [fh, đA<Ž [f^ [f%Šú%o»] f`fFfbfNf {fbfNfX, đ'l'đ, μ, ĀA<Ž, Ā, «, Û, , [B, ±, ì<@ "\, È, æ, è [Aftf%ofbfVf... f [f, fš f j [fh, íA<Ž, Æ [A<Ž [f%Šú%o» , ³, è [A, ±, è, íf j [fh, đ [V, μ, , , éCE [f] " È " l, È • ú - @, Ā, , [B [A<Ž [f^ [f%Šú%o» , ì, , Æ, Ā [A • K, , f j [fh, đftfH [f}fbfg, μ, È, , Ā, í, È, è, Û, ¹, ñ [B

# fpf□□[ f}f□□[fwf□f“fg flfvfVf#f”

fpf□□[ f}f□□[fwf□f“fg, í AfXf□fbfg, Ü, ½, í Af\_fvf^, Ö, ì“dCE¹, ð□\$CEä□iflf“□^flft□j, µ, Ü, ·□Bf□□[fh, ì”², «Ž æ, è□^“ü, í□Afpf□□[, ðfŠfZfbfg, µ, Ü, ·□B

^È%º,ª·\Žì,³,è,Ü,·□B

**fXf□fbfg:** [fXf□fbfg”Ô□t]□i’æ, PfXf□fbfg, í, O, ©, P, ì, Ç, ÿ, ç, ©□j, Æ[fXf□fbfg-¼]□iflfvfVf#f” f□fj...□[, ©, ç[PCCARD, ð·\Žì], ð’É, µ, ĀS,,, è“- , Ā, Ā, «, Ü, ·□j, ðfŠfXfgfAfbfv, ·, é—~—p%ºĀ“\ , ÉfXf□fbfg, ð·\Žì, µ, Ü, ·□B

**fXf□fbfg fpf□□[:** , íCE»□Ý’ì’ð,³,è,Ä, ç, éfXf□fbfg, ìfpf□□[, ì□ó’Ô, ð·\ Žì, µ, Ü, ·□BfXf□fbfg, ðfift, ì□é□#, í□A, »,, ì%º, É·\Žì,³,è, éflfvfVf#f”, í□A’W□F·\Žì□i-³CEø□j,³,è,Ü, ·□B

**fpf□□[:** CE»□Ý’ì’ð,³,è,Ä, ç, éfVfPfbfg, ì[fXf□fbfg fpf□□[], ðflf”, Ü, ½, íflft, É, Ā, «, Ü, ·□B

,³,ç, É□A^È%º, ÉŽì, ·[fpf□□[ f}f□□[fwf□f“fg flfvfVf#f”],ª—~—p%ºĀ“\, Ā, ·□B

**fXf^f“fhfofC, ìŠÔf□□[fh, ð<□\$flft:** , ±, ìflfvfVf#f”, ð’ì’ð, ·, é, Æ□AfVfXfef€, ðfXf^f“fhfofC f, □□[fh, É“ü, Ā, ĀPCf□□[fh, ðfift, É, É, éŽž, É□A,³,ç, É“d—í,ª□β-ñ,³,è,Ü, ·□B, ± , ìflfvfVf#f”,ª’ì’ð,³,è,É, ç□é□#, í□AfVfXfef€,ª fXf^f“fhfofC , É“ü, Ā, Ā, à□APCf□□[fh, í“d—í, ð□Ā”i’± , ·, Ü, ·□B

**fŠf“fo, ĀRf“fsf...□[f^, ðfAfNfefBfu, É, ·, é:** FAX□^f, fff€f□□[fh, ÉCEÄ, Ñ□o, µ%º¹,ª- Ā, Ā, ½Žž□AfVfXfef€,ª fTfXfyf“fh f, □□[fh, ©, ç—\$, ÿ□ā,ª, é, ©, Ç, x , ©, ðfRf“fgf□□[f<, µ, Ü, ·□j, fff€fŠf“fo□ĀŠJ, ðfTf|□[fg, ·, éfVfXfef€, ì□é□#□□B, ± , ìflfvfVf#f”, ð’ì’ð, ·, é, Æ□AFAX□^f, fff€f□□[fh, ÆfVfXfef€, ðfTfXfyf“fh f, □□[fh, É, ·, é□é□#□AfVfXfef€, ðfAfNfefBfu, É, µ, Ā□A“ü, Ā, Ā—^, Ā, ç, éCEÄ, Ñ□o, µ, É“š, ì, Ü, ·□B, ±, è,ª, Ā, «, É, çŽž, í□AfTfXfyf“fh f, □□[fh, ìflfvfVf#f, í□A, »,, ì, Ü, Ü, ì□ó’Ô, ð’±, □AFAX□^f, fff€f□□[fh, É, ©, ©, Ā, Ā, «, ½CEÄ, Ñ□o, µ%º¹, í□A-³Ž<,³,è,Ü, ·□B

’□^Ó: □ā<L, ìflfvfVf#f”, ì^è, Ā, ð’ì’ð, ·, é, Æ□A¼, ìflfvfVf#f”, í’W□F·\Žì□i-³CEø□j,³,è,Ü, ·□B

## fhf%ofCfoY'è

,ç,lfhf%ofCfo,ðfCf"fxfg[f<,é,©,ðCE^,ß,é,±,Æ,ª,Å,«,Ü,·B,±,ê,É,æ,èAfVfXfef€,É•K—v,Éfhf%ofCfo,ì,Ý,ðfCf"fxfg[f<,μ,Åf[f,ß,ðβ-ñ,Å,«,Ü,·BfVfPfbfg fT[fxfX[Af][fhfT[fxfX[ACARDID fhf%ofCfo,lfVfXfef€,lflyfCE[fVf#",É•K—v,Å,·ì,ÅA,±,é,ç,íííœ,Å,«,Ü,¹,ñB

## fhf%ofCfo<@"\,l'Ç%oÁ^ííœ

Y'è,Éfhf%ofCfo,ð'Ç%oÁ,·,é,É,íA'Ç%oÁ,μ,½,çfhf%ofCfo<@"\,ð[—~—p%oÁ"\,Éfhf%ofCfo<@"\,lfSfXfg,©,ç'l'ðí"½"]·\Ž!j,μ,ÅA[Ç%oÁ,,],ð'l'ð,μ,Ü,·B"½"]·\Ž!,³,è,½fhf%ofCfo<@"\,lfCf"fxfg[f<,³,è,Å,ç,éfhf%ofCfo],l^è—,Ö^U"® ,μ,Ü,·B[OK],ðfNfSfbfN,·,é,ÆY'è,ªX[V,³,è,Ü,·Bfhf%ofCfo<@"\,ðY'è,Ö'Ç%oÁCEãAÄN"®,·,é,½,ß,lfVfVf#",ª,·,è,Ü,·B

Y'è,©,çfhf%ofCfo,ðííœ,·,é,É,íAííœ,μ,½,çfhf%ofCfo<@"\,ð[—~—p%oÁ"\,Éfhf%ofCfo<@"\,lfSfXfg,©,ç'l'ðí"½"]·\Ž!j,μ,ÅA[íííœ],ð'l'ð,μ,Ü,·B"½"]·\Ž!,³,è,½fhf%ofCfo<@"\,lfCf"fxfg[f<,³,è,Å,ç,éfhf%ofCfo],l^è—,©,ç[—~—p%oÁ"\,Éfhf%ofCfo<@"\,Ö^U"®,μ,Ü,·B[OK],ðfNfSfbfN,·,é,ÆY'è,ªX[V,³,è,Ü,·Bfhf%ofCfo<@"\,ðY'è,©,çííœCEãAÄN"®,·,é,½,ß,lfVfVf#",ª,·,è,Ü,·B

Y'è,©,çfhf%ofCfo ftf@f"fnVf#",ðííœ,μ,½CEãAfŠfu[fg,·,é,½,ß,lfVfVf#",ª—^,ì,ç,è,Ü,·B

## ftf%ofbfVf...ftf@fCf<fVfXfef€ flfVfVf#"

"C^Ó,lf tf%ofbfVf...ftf@fCf<fVfXfef€ l'ð^è—,ªA—~—p%oÁ"\,Éfhf%ofCfo,l^è—,l%oº,É·\Ž!,³,è,Ü,·B,±,±,Åftf%ofbfVf...ftf@fCf<fVfXfef€ fTf[fg]iFlash Translation Layer ,Ü,½,í MSFlash File System)A[‘S,Å]A[É,μ],ð'l'ð,Å,«,Ü,·B

^Ó:ftf%ofbfVf...ftf@fCf<fVfXfef€ fTf[fg],ðfCf"fxfg[f<,·,é,±,Æ,É,μ,½íííAfhf%ofCfo<@"\,ª[fCf"fxfg[f<,³,è,Å,ç,éfhf%ofCfo]^è—íííã<Lj,É,·,èAííœ,íX[V,É[OK],μ,½ííí,É,ì,ÝA,±,lfTf[fg],lfCf"fxfg[f<,³,è,Ü,·B,·,x,Å,íMTD fhf%ofCfo<@"\,ðííœ,μ,½ííí,íAftf%ofbfVf...ftf@fCf<fVfXfef€ fTf[fg],íŽ©"®"l,Éííœ,³,è,Ü,·B

,²Žg—p,lfVfXfef€,ªftf%ofbfVf...ftf@fCf<fVfXfef€ ATA fTf[fg],l—¼·ù,ðfTf[fg,·,é,æ,xY'è,³,è,Å,ç,éííí,íAfhf%ofCfoY'èft[fefBfSfefB,íAZ©"®"l,Éfhf%ofCfu"Öíí,ðAftf%ofbfVf...ftf@fCf<fVfXfef€ fTf[fg],fS,ÆATA fTf[fg],l—¼·ù,É<x—L,³,¹,é,æ,x,É,μ,Ü,·B

## •K—vf[f,ß

€—Ü,ª[fCf"fxfg[f<,³,è,Å,ç,éfhf%ofCfo],l^è—,É,·,éííí,íA,»,l^è—,l%oº,Éííí•K—vf[f,ß",ª·\Ž!,³,è,Ü,·B

**fpf[] f}fi[]fWf[]f“fg[]iflvfVf#f” f[]fjf...[][]**

fpf[] f}fi[]fWf[]f“fg,í[]AfvPfbfg,Ö,ì”d€¹,ð[]S€ä[]iflf“^fift[]j,µ,Ü,·[]B

## PCfj[]fh fvf[]fpfefB [] ‘®[]«

[fvf[]fpfefB]f\_fCfAf[]Of{fbfNfX,íA’®[]«[]AfŠf[]fX[]APCfj[]fh,ðfTf[]fg,·,é,½,ß,Éf[]fh,³,ê,½fhf %ofCfo,ÉSÖ,·,éfo[]fWf#[]î·ñ,ð·\Ž!,µ,Û,·B,³,ç,É[]ACardSoft f,[]fh,ÅŽÀ[]s’t,lf[]f,Š^ffBfXfN fj[]fh,ì,½,ß,É[]Alf[]f,Š fj[]fh ft[]fefBfŠfefB] f^fu,à·\Ž!,³,ê,Û,·B

’}“ü,³,ê,Ä,ç,éPCfj[]fh,lf^fCfv,É%ž,¶,Ä[]AZÿ,ìî·ñ,ª·\Ž!,³,ê,Û,·B

**fXf[]fbfg:** ,±,lfXf[]fbfg,ÉS,,è“-,Ä,ç,ê,Ä,ç,éXf[]fbfg”Ô[]t,ÆfXf[]fbfg-¼,ð·\ Ž!,µ,Û,·B[]iflvfVf#[]]f[]fj...[][,©,ç[PCCARD ·\Ž!],ð’É,µ,ÄfXf[]fbfg-¼,ð·\X,Å,«,Û,·B[]j

**fj[]fh:** f,fWf...[]f<“ÆŽ©,lfAfCfff“fefBftfBfP[]fVf#[]”,ð·\Ž!

**f[]fj:** PCfj[]fh,lf[]fj,ð·\Ž![]if,fff€[]AATAfj[]fh[]j

**ftfCfy:** PCfj[]fh,ì·Û’¶“\—í,ð·\Ž!

**fhf%ofCfo:** fhf%ofCfu”Ô[]t,ð·\Ž![]ifn[]fhfhf%ofCfu fj[]fh—p[]j

**fofbefŠ[]L,ìó’Ô:** SRAM fj[]fh fofbefŠ[]L,ìó’Ô,ðŽ!,µ,Û,·B·\Ž!,ì%oÅ”\«,íA,È,µ[]E’á[]EOK ,Ä,·B

**f%ofCgfvf[]fefNfg:** ftf%ofbfVf...fj[]fh,Û,½,íSRAM fj[]fh,lf%ofCgfvf[]fefNfg,ìó’Ô[]i— LCEø,Û,½,í-³CEø[]j,ð·\Ž!

**ftf@fCf·fVfXfef€:** ,±,ìPCŠO·”<L%o~[]^fn[]fhfffBfXfN fj[]fh,lf tf@fCf·fVfXfef€,ð·\Ž!

## DMA (Direct Memory Access)

Šó-], ì DMA f`fff“flf<, ð‘l’ ð, Å, <, Ü, ·BDMA iDirect Memory

Access j, íAPCf j [fh ã, ìî•ñ, ÉfAfNfZfX, ·, é, ½, ß, ìADMA f`fff“flf<, ð%ôî, µ, ½‘ã—, ì•û-@, Å, ·B

# fpf [ f}fi [fWf f“fg

fpf [ f}fi [fWf f“fg, í Af Pfbfg, Ö, ì“ dE<sup>1</sup>, ð S E ä if f“ ^ fift j, µ, Ü, · B

# PCJ [fhfhf%oCfo (flfvVf#f“f fjf... [I)

PCJ [fhfhf%oCfo<@\,đ'Ç%oÁ^iœ,·,é,±,Æ,ª,Å,«,Û,·B



## I/O fAfhfŒfX

I/O ("üo—í) , íAPCfj[fh,È,Ç,ìžü•Ó<@Ší,Æ,ìî•ň,ðžó,~“n,·,½,ß,ÉŽg,í,ê,éf[f,fš  
fAfhfŒfX,Å,·BI/O f|[fg fAfhfŒfX—ì^æ,í[Af[f,fš fAfhfŒfX—ì^æ,Æ,í•Ê,ì,à,ì,Å,·BWizard ,í I/O f|  
|[fg,ÅPCfj|[fh,ð\¬¬,μA<ó,ç,Ä,ç,éf|[fg fAfhfŒfX—ì^æ,ðžg,ç,Û,·B

# fhf%ofCfu fpf%of[] [f^,iŠm”F

,±,ìf\_cfAf[]fOf{fbfNfX,íAATA fj[] [fh,ì,½,ß,ìĀ'èVfŠf“f\_[] Afwfbfh[] AfZfNf^[] ^fgf  
%ofbfN,ì[]”,đfŠfXfgfAfbfv,μ,Û,·[]B,±,ì[]i•ñ,íAATA  
fj[] [fh,©,ç'¼[]Ú“Ç,Y[]ž,Û,ê[]A[]Šm,È,Í,,Ā,·[]B,μ,©,μ[]A,±,ê,ç,ì[]Ý'è,Ā,È,ñ,ç,©,ìfGf%[] [,É<C,<sup>a</sup>,Ā,ç  
,½[]ê[]‡,í[]A[]<sup>3</sup>,μ,ç'l,đ“ü—í,μ,Ā,,¾,<sup>3</sup>,ç[]B

**[OK]**,đfNfŠfbfN,μ[]A[]%Šú%»»,đĀep'±,μ,Û,·[]B

## 32 frfbfg CardBus

,±,ì CardWorks ,lfšfš[fX,íACardBus fj[fh,đfTf][fg,μ,Ü,·B  
CardBus ,É,íA'áÁ"i"d—íA—ftfH[f€ftf@fNf^Afzfbfg}'"ü<@"\A,fpftfH[f}f"fX,đŽ,Â'ád  
—Ê,ìPCfj[fh,È,Ç,ì"Á',ª, ,è,Ü,·BCardBus fj[fh,ª CardBus f\fpfbfg,É}'"ü,³,ê,é,ÆACardWorks  
,ÍŽ@"®"l,ÉĈÿ'm,μ,Ä\—,μ,Ü,·B

CardBus ,íA16 frfbfgPCfj[fh,ÆĈÿŠ·«,ª, ,èA32 frfbfg ff[f^"]'—,đ'Ç%oÁ,μAPCI  
(Peripheral Component Interconnect) ,đì—p,μ,ÄAfptfH[f}f"fX,Æ<@"\«,đL,°,Ü,·B

CardBus ,É,ÍŽÿ,ì,æ,κ,È<@"\,ª, ,è,Ü,·B

- í"i"d—í,ª'á,çi3.3V ,đŽg—p
- , '—i<Æ
- -^•b 100 Mb Network fj[fh
- , '— SCSI ,đfTf][fg

## —pĀē□W

[fAf\\_fvf^](#)

[ATA](#)

[fofbfefš□□.ì□ó'Ô](#)

[fxf<fk□\[fC\\_fhf%ofCfu](#)

[f□□\[fh](#)

[CardBus](#)

[f□□\[fh□î•ñfXfgf%ofNf`ff](#)

[f□□\[fhfT□□\[frfX](#)

[f□□\[fhfT□□\[frfX\\_fNf%ofCfAf“fg](#)

[f□□\[fh\\_f^fCfv](#)

[CARDID.EXE](#)

[CardSoft](#)

[CardWizard](#)

[CardWorks](#)

[CD-ROM](#)

[CIS](#)

[fNf%ofCfAf“fg](#)

[fRf“frf□□\[fVf†f“\\_f□□\[fh](#)

[COM \('Ê□Mf|□□\[fg\)](#)

[ĀÝš·□«](#)

[CONFIG.SYS](#)

[□□□](#)

[CSALLOC](#)

[CRC \(Cyclic Redundancy Check\)](#)

[fffofCfX](#)

[fffofCfXfhf%ofCfo](#)

[fhf“fOf<](#)

[DMA](#)

[fhf%ofCfo□Ý'è](#)

[DuoDriver](#)

[^Ã□†%o»](#)

[fC□□\[fTf|fbfg](#)

[FAT\\_ftf@fCf<\\_fvfXfef€](#)

[FAX](#)

[FAXf□□\[fh](#)

[ftf%ofbfVf...\\_f□□\[fh](#)

[FTL](#)

[GPS](#)

[fzfbfg\\_fXf□fbfv](#)

[IDE](#)

[INF\\_ftf@fCf<](#)

[š,,,è□ž.Ý](#)

I/O f  
IRQ  
ISA fofX  
f  
f fŠ fefNfmfW fh%ofCfo (MTD)  
f,ff€ f  
f}f<f`ftf@f“fNfVf‡f” f  
f}f<f`f{f<fefCfW fTf  
fm  
fv  
PCf  
PCMCIA  
PDA  
Žü•Ó<@Ší  
fsfOfe  
fv%ofOfAf“fhfvf€fC(PnP)  
”FŽ  
ÄŠ  
SCSI  
fPfbfg  
fPfbfgf f~f“fO  
fPfbfgfpf f}f  
fPfbfgfT  
fŠfbfh fXfe  
SRAM f  
fXf^f“fhfofC f.  
fX  
fTfXfyf“fh  
fVfXfef€fŠf  
fg  
f^fvf<  
f^fCfv‡T f  
f^fCfv‡U f  
f^fCfv‡V f  
fEfBf“fhfE (f, fŠ, Ü, ½, í/O)  
Windows 95  
Windows f€fWfXfgfŠ  
f%ofCfghvf fefNfg  
fY

# fAf\_fvf^

PCfj□[fh,É,¨,¯,éfAf\_fvf^,Í□Afrf“fsf...□[f^ fofX,ðPCfj□[fh [fPfbfg](#),É□Ú'±,·,éfn□[fhfEjfA,ð^Ó-  
i,μ,Û,·□B,Û,½□A, ,éŽí,ì [PCfj□\[fh](#),àfAf\_fvf^,ÆCEÄ,î,ê,Û,·□B

## ATA (AT-Attachment)

AT Attachment Žd—l, ì“ª•ŕŽš, ðŽæ, Á, ½—ªŒê, Å, ·B Integrated Drive Electronics (IDE) , ìfn[]fh fhf%ofCfu, ì, ½, ß, ì•W[]€fCf“f^[]ftfFfCfX, Å, ·B^ê”Ê, Ê ATA fffofCfXfj[]fh, í[]Afj[]fh, ìŒú, ³, Ê, æ, Á, Å f^fCfv±U , Û, ½, í f^fCfv±V , ìfn[]fhfffBfXfN fj[]fh, Å, ·B

# fPfbfg

PCjj[fh,đ}“ü,·,é 68 fsf“,iŽó,~‘æfffofCfX,Å,·□B



## PCfj[]fh

PCfj[]fh, í[]APCfj[]fh<KŠi, É[]€<', ·, éj[]fh, ì'[]ì, Å, ·[]BfNfCEfWfbfgfj[]fh, Ù, Ç, ìfTfCfY, Å[]ACEú, ³, Í^Ù, È, é  
PCfj[]fh, í[]A68 fsf", ìŽó, ~'[]PCfj[]fh f[]Pfbfg, É' } "ü, μ, ÅfVfXfef€, ì<@"\, ðŠg'É, μ, Ù, ·[]BPCfj[]fh, í  
çfzfbfg fXf[]fbfv£, ·, é, ±, Æ, à, Å, «, Ù, ·[]Bfzfbfg fXf[]fbfv, Æ, í[]A•K—v, È, Æ, «, É, ç, Å, Å, àfRf"fsf...  
[]f^, É' } "ü^"², «Žæ, è, Å, «, é, ±, Æ, ð^Ó—j, μ, Ù, ·[]Bftf%[]fbfvf...[]ASRAM[]AATA , ì, æ, x  
, Èf[]f, fŠPCfj[]fh, í[]AfVfXfef€, ì<L%°—e—É, ð'[], â, ·, ½, ß, ÉŽg, ç, Ù, ·[]B, » , ì'¼, É[]Af, fff€[]Aflfbfgf[]fN  
fAf\_fvf^[]AftfEf"fhfj[]fh[]ASCSI fj[]fh, È, Ç[]A—p"r, È, æ, Å, ÅSeŽí, ìj[]fh, ¢, , è, Ù, ·[]B



**fj[]fh**

PCMCIA []€<',)fj[]fh,Å[]APCfj[]fh ,Æ,à€Ä,Î,ê,Ä,ç,Û,·[]B

## PCMCIA

Personal Computer Memory Card International Association, <sup>à</sup>•¶Žš, ðŽæ, Á, ½—  
ªŒê, Å, · BPCMCIA, Å, Í APCfj [fh, ìfn [fhfEjFfA, Æf\ftfgfEjFfA—¼•û, ìfCf“fvfŠf“fe [fvf#f“, ð<KŠi  
%o», ·, é, ½, ß, ì^ê~A, ìfXf^f“f\_ [fh, ð [fh, μ, Ä, ç, Ü, · B

## fj□[fh□î•ñfXfgf%ofNf`ff (CIS)

CIS (fj□[fh□î•ñfXfgf%ofNf`ff) ,í□A'½,,ìPCfj□[fh,ªž□,Âf□f,fš—ì^æ,Å,·□B,±,ìf□f,fš—ì^æ,É,í  
(f^fvf<€`ž@,ì) □î•ñ,ªšÜ,Ü,ê□AfVfXfef€,ÆfAfVfšfP□[fVf†f“ f†f†gfE†f†A,ªPCfj□[fh,Æ□³,µ,-  
€đ□M,·,é,±,Æ,ª,Å,«,Ü,·□B

# f^fvf<

PCfj[fh,ì [CIS](#) “à,ìî•ñ,íAf^fvf<,đŽg,Á,½fŠf“fNfŠfXfg ftfH[f}fbfg,Å\[-,³,ê,Ä,č  
,Ü,·Bf^fvf<,É,íPCfj[fh,ì“Á«,<sup>à</sup>Lq,<sup>³</sup>êA,±,ì“Á«,đŽg—p,μ,ÄA *CardWizard* ,ì,æ,α,ÈPCfj[fh f\  
ftfgfEjFfA,íAPCfj[fh,đ³,μ,Ÿ'è,·,é,±,Æ,<sup>à</sup>Á,«,Ü,·B

## fj[fh f^fCfv

PCfj[fh,žÀs,·,é<@" \A,à,μ,,íj[fh,ìÉú,³,đŽw,μ,Û,·B,½,Æ,î,âATA fn[fhfffBfXfN fhf  
%ofCfuAfjfbfgf[fN fAf\_fvf^A,à,μ,,íAf^fCfv±U fj[fh,È,Ç,ª,è,Û,·B

□\□→

[fVfPfbfg](#),ÆPCfj□[fh,ðfVfXfef€□ă,ĂŽg,α,½,β,ì□^—□,ðŽw,μ,Û,·□B•K—v,È[fVfXfef€fŠf](#)  
[□\[fX](#),<sup>a</sup>Šm•Û,<sup>3</sup>,ê,é,Æ□APCfj□[fh,ð□Ý'è,·,é,±,Æ,<sup>a</sup>Ă,«,Û,·□BPCfj□[fh,ð□\  
□→,·,é,É,í□Afj□[fh,ð" FŽ<sup>-</sup>,μ,Ă,ç,éfNf%ofCfAf"fg ([fj□\[fhfT□\[frfX\\_fNf%ofCfAf"fg](#))  
,<sup>a</sup>[fj□\[fhfT□\[frfX](#),©,ç"Á'è,ìfVfXfef€fŠf□[fX,ð—v<□,·,é•K—v,<sup>a</sup>, ,è,Û,·□B—v<□,<sup>3</sup>,ê,½fŠf□[fX,<sup>a</sup>—~—p  
%o"Ă"\,Ă, ,è,í□ACardWizard ,<sup>a</sup>fŠf□[fX,ðfj□[fh,ÉŠ,,è"—,Ă□Afj□[fh,ì□\□→,<sup>a</sup>□s,í,ê,Û,·□BCardWizard  
,<sup>a</sup>PCfj□[fh,ð□\□→,·,é,Æ□Afr□[fv%o<sup>1</sup>,<sup>a</sup> 2 "x-Ă,è,Û,·□B



## CardWizard

CardWizard ,íWindows 95fAfvfŠfP[fVf+f“,Å,·BCardWizard ,É,ÍŠÈ’P,ÉPCfj[fh,đY’è,·,éAfŠf\ [fX,ìfRf“ftjŠfNfg,É,æ,é-â’è,đ%ođCE^ ,·,éAPCfj[fh,ìfCxf“fg’É’m,đŽó, ,é“™,ì<@”\,ª, ,è,Ü,·B

## ffofCfX

fRf“fsf... [f^ fVfXfef€ , ìŽü•Ó<@Ší,É“K—p,<sup>3</sup>,ê,é—pĈÊ,Å,·□B,½,Æ,ı,î□Afn□[fhfffBfXfN fhf  
%ofCfu□AfvfŠf“f^□A'Ê□Mf□[fg□Aflfbfgf□□[fN fAf\_fvf^,È,Ç,â, ,è,Û,·□B

## GPS

Global Positioning System, je systém pro určení polohy a času pomocí signálů vysílaných z několika družic GPS. Systém umožňuje přesné určení polohy a času na celém světě. GPS je využíván v mnoha oblastech, jako je navigace, zeměměřičství, geodézie a vojenské aplikace. GPS je založen na satelitní navigaci a používá se v mnoha aplikacích, jako je navigace, zeměměřičství, geodézie a vojenské aplikace. GPS je založen na satelitní navigaci a používá se v mnoha aplikacích, jako je navigace, zeměměřičství, geodézie a vojenské aplikace.

## fzfbfg fXf[]fbfv

fRf“fsf...[]f^,É“dCE<sup>1</sup>,ð“ü,ê,½□ó‘Ô,Å,ìPCfj□[fh,ìfPfbfg,Ö,ì”<sup>2</sup>,«□,μ,ðfzfbfg  
fXf[]fbfv,ÆCEÄ,Ñ,Ü,·□BPCfj□[fhfXf[]fbfg,<sup>a</sup>,È,ç□ê□#□Afj□[fh,ð’}“ü,·,é,É,í□A“dCE<sup>1</sup>,ðfift,É,μ,Äfj□[fh,ð  
’}“ü,μ□A□Ä,Ñ“dCE<sup>1</sup>,ð“ü,ê,é•K—v,<sup>a</sup>, ,è,Ü,·□B,±,ê,í□A“ÉŽG,ÅŽžŠÔ,<sup>a</sup>,©,©,è,Ü,·,<sup>a</sup>□Afzfbfg  
fXf[]fbfv,<sup>a</sup>, ,ê,î□A’}“ü,μ,Ä,·,®,ÉŽg,α,±,Æ,<sup>a</sup>,Å,«,Ü,·□B

## Š,,èž,Ý

Š,,èž,Ý,ÍA“d<C“l,ÈfCf“fpf<fX,É,æ,Á,ÄfVfXfef€ÉCEŸ’m,<sup>3,1</sup>,é,<sup>1/2</sup>,ß,ÉŽg,đ  
,Ü,·BPCfj[fh,afXf[fbfg,É’}“ü,<sup>3</sup>,ê,é,ÆŠ,,èž,Ý,ª[¶[–,<sup>3</sup>,ê[AfCxf“fg,ª”[¶,μ,<sup>1/2</sup>,±,Æ,ðfRf“fsf...  
[f^,É’m,ç,<sup>1</sup>,Ü,·BŠ,,èž,Ý,ÍAIRQ f%ofCf“ ,đ’Ê,μ,Ä“ ,l,ç,ê,Ü,·B

## I/O f|[]fg

I/O ("ü[]o—í) f|[]fg,í[]APCfj[]fh,È,Ç,ìžü•Ó<@Ší,Æ,ì[]î•ň,đŽó,~“n,.,½,ß,ÉŽg,í,ê,éf[]f,fŠ  
fAfhf[]fX,Å,·BI/O f|[]fg fAfhf[]fX—ì^æ,í[]Af[]f,fŠ fAfhf[]fX—ì^æ,Æ,í•Ê,ì,à,ì,Å,·[]BCardWizard ,í  
I/O f|[]fg,ÅPCfj[]fh,đ[]Ý'è,μ[]A<ó,ç,Ä,ç,éf|[]fg fAfhf[]fX—ì^æ,đŽg,ç,Û,·[]B



## "FŽ"

□u"FŽ"□v,Æ,Í□APCfj□[fh,a'}"ü,<sup>3</sup>,ê,½,Æ,«,É\ftfgfEjFfA,<sup>a</sup>,»,"ê,ž"•Ê,μ,Ä,ç,é,±,Æ,đ^Ó-  
i,μ,Ü,·□Bfj□[fh,Í□A fj□[fh,đ□^—□,·,éj□□[fhfT□□[frfX fNf%□fCfAf"fg\_fhf  
%□fCfo,<sup>a</sup>'□Y,·,é□ê□‡,ì,Y"FŽ",<sup>3</sup>,ê,Ü,·□BPCfj□[fh,Í□A□□□□□,·,é'O,É"FŽ",<sup>3</sup>,ê,Ä,ç,é•K—v,<sup>a</sup>, ,è,Ü,·□B



# fVfXfef€fŠf\[]fX

fVfXfef€ , í[]A f[]f, fŠ[]AIRO[]ADMA[]AI/O f[]f[]fg, ì 4 , Â, ðŠf\[]fX, ð'É, µ, Ä'î~b, µ, Ü, ·[]B fVfXfef€fŠf\ []fX, íCEÀ, ç, ê, Ä, ç, é, ì, Å[]A[]ô—û, <sup>3</sup>, ê, ½f\ftfgfEjFfA, ðŽg, Á, Ä—LCEø, ÉfŠf\[]fX, ðŠ,,, è"—, Ä, é, ±, Æ, <sup>a</sup> d— v, Ä, ·[]B f[]f[]fhfT[]f[]fX , í[]ACardWizard , É"à' , <sup>3</sup>, ê, ½PCfj[]f[]h fŠf\[]fX f}f[]f[]Wff, Å, ·[]B

# fj□[fhfT□[frfX

fj□[fhfT□[frfX, í□Afn□[fhfEjFfA, ©, ç“Æ—§, μ, ½PCfj□[fh f\ ftfgfEjFfA, í‘ž²•”•ª, Å, ·□Bfj□[fhfT□[frfX, í□Afn□[fhfEjFfA, ÆfvfXfef€fŠ\□[fX, ì—v<□, ÆŠ,,, è“- , Ä, ðŠÇ —□, ·. é\ftfgfEjFfA, Æ, ÌŠÖ, ðCE<, Ñ, Æ, ¯, é•”•ª, Å, ·□B

# fj[]lhfT[]lrfX fNf%ofCfAf“fg

fj[]lhfT[]lrfX fNf%ofCfAf“fg (fNf%ofCfAf“fg fhf%ofCfo) ,íA fj[]lhfT[]lrfX fhf %ofCfo,Æ'î~b,·,é“Á'è,ìPCfj[]lhf,ì,½,ß,ìffofCfXfhf%ofCfo,Å,·B,±,ê,É,íA“Á'è,ìPCfj[]lhf,É,Â,ç,Ä,íY'èî•ñ,<sup>a</sup>ŠÜ,Ü,ê,Ä,ç,Ü,·BPCfj[]lhf,ðY'è,·,é,Æ,«AfNf%ofCfAf“fg,íj[]lhfT[]lrfX (fŠ\[]lX f}f[]lWff) ,É—~—p%oÅ“\,ÉfVfXfef€fŠf[]lX,ðŠ,,,è“- ,Ä,é,æ,α,É—v<[] ,·,é•K—v,<sup>a</sup> ,è,Ü,·BfNf %ofCfAf“fg,<sup>a</sup>fj[]lhfT[]lrfX,ÆÆðM,Å,« ,ééè[]‡,É[]u“FŽ<sup>-</sup>,<sup>3</sup>,è,Ä,ç,é[]v,ÆÆ¾,ç,Ü,·B

# f\pfbfgfT[lrfX

"Á'è,IPCfj[fh fAf\_fvf^,ðfvf[fOf%of~f"fo,,:é'áfCefxf<,lfn[fhfEjFfA^È'¶,lf\ftfgfEjFfA'w,Å,·B,½,Æ,!,lASS365SL.EXE ,Í Intel 82365SL PCfj[fh fAf\_fvf^,ðŽæ,è^μ,xf\ fPfbfgfT[lrfX,Å,·Bf\pfbfgfT[lrfX,ÍfAf\_fvf^,ðfZfbfgfAfbfv,,:é,¾,¯,Å,Í,É,¶A f[fhfT[lrfX,É"²,«·,μ,ìÜ,É"-¶¶,,:éfCxf"fg,ÉSÖ,,:é¶í·ñ,ð"n,μ,Û,·B

## fX[]fP[] fNf%ofCfAf“fg fhf%ofCfo

fX[]fP[] fNf%ofCfAf“fg fhf%ofCfo, íA“Á•É, Èfj[]fhfT[]frfX fNf%ofCfAf“fg, Å, ·B[]ufX[]fP[]v, Æ, ç, ð, ñ, ò, ó, ù, ·, æ, ç, ÈA<sup>1/2</sup>,, Ì^Ù, È, éPCfj[]fh, ðY'è, ·, é, 1/2, ß, Ìî•ñ, ðŠÛ, ñ, Å, ç, Ü, ·BCardWizard , Æ<æ, É'ñ<ÿ, ³, è, éfX[]fP[] fNf%ofCfAf“fg fhf%ofCfo, íACARDID.EXE , Å, ·B'Éí, Ìj[]fhfT[]frfX fNf%ofCfAf“fg fhf%ofCfo, í 1 , Å, ÌPCfj[]fh, ³/4, ·, ðY'è, µ, Ü, ·, ðACARDID , í FAX/f^f/f, fff€ f[]fh[]AATA f[]fh[]AGPS f[]fh[]AfVfŠfAf< I/O f[]fh[]Afy[]fWff f[]fh, È, Ç, Æ'1/2,, Ìf[]b[]f[]g[]f[]f[]N f[]fh, ðY'è, ·, é, ±, Æ, ð, Å, «, Ü, ·B

## fffofCfXfhf%ofCfo

fRf“fsf...[]f^,É□Ú'±,³,ê,Ä,ç,éfffofCfX,ðfRf“fgf□□[f<,·,éCf“fXfgf%ofNfVf#f“ fZfbfg,ðŽ□,Á,½ MS-DOS fv[]fOf%of€,Å,·□B,·,×,Ä,ìfffofCfX,É,í□A,»,ê,ðfRf“fgf□□[f<,·,éfffofCfXfhf %ofCfo,ª'¶□Y,μ,Ü,·□B,½,Æ,ì,î□AMS-DOS ,íL□[f{□[fh□Af,fjf^□[□Afn□[fhfffBfXfN fhf %ofCfu□Aftf□fbfs□[ fffBfXfN fhf%ofCfu,ì,½,ß,ì“à' fffofCfXfhf%ofCfo,ðŽ□,Á,Ä,ç,Ü,·□B“— l,É□APCfj□[fh fn□[fhfEjFfA,É,í□AfvPfbfg,Æfj□[fh—p,ìfffofCfXfhf%ofCfo,ª•K—v,Å,·□B

## COM ('Ê Mf| [fg)

Communication (fRf~f...fjfP [fVf#f“) ,ì'Z kÆ` ,Å, ·BCOM ,íA'Ê í [Af, fff€, ÉŽg, xfvfŠfAf< 'Ê Mf| [fg, É— ^ ,!, ç, ê, ½-¼ 'O, Å, ·B, ½, Æ, !, î [ACOM2 ,í'Ê Mf| [fg 2 , ðŽw, μ, Ü, ·B

## CONFIG.SYS

fVfXfef€,ìŸ'è,ð'è<` ,.é"Á•Ê,È MS-DOS ftf@fCf<,Å,·BCONFIG.SYS  
ftf@fCf<,É,ÍAfCf"fxfg[]f<,.éffofCfX,ÆŽg—p,.éfCf"fxfg[]f<%oÅ"\,ÉffofCfXfhf  
%ofCfo,ðŽw'è,μ,Û,·B,Û,½AMS-DOS ,³f[]f,ðŽg—p,.é•û-  
@A,¨,æ,Ñftf@fCf<,ðfRf"fgf[]f<,.é•û-@,ðŽw'è,.éfRf}f"fh,àŠÛ,Û,è,Û,·BCardWizard ,íA,ç,-  
,Å,©,ìffofCfXfhf%ofCfo,ð CONFIG.SYS ,ÉfCf"fxfg[]f<,μ,Û,·B



## FAX

FAX ,Í Telephonic Facsimile Transmission ,ì'Z□kCE` ,Å,·□Bftf@fNfVf~fŠ“`‘—,í□A“d~b  
%oñ□ü,đ'É,μ,Ä 1 ,Å,ì FAX <@Ší,©,ç•É,ì FAX <@Ší,Éf□fbfZ□[fW,đ“`‘—,·,é•û-@,Å,·□B

## FAX fj[]fh

PCfj[]fh<KŠi,É[]€<’,·,éftf<’•”õ,ì[]W[]í%oñ~H (IC) FAX fj[]fh,Å,·[]BFAX fj[]fh,Íf  
%ofbfvfgfbfv,âfp[]f€fgfbfv fRf”fsf...[]f^,É’}“ü,μ[]Aftf@fNfVf~fŠ“‘—,ð[]s,α,½,β,ÉŽg,ç,Ü,·[]B

## ftf%fbfVf... fj[]fh

PCfj[]fh<KŠi,É[]€<’,.é•sŠö”f[]f,fŠ fj[]fh,Å,·[]Bftf%fbfVf... fj[]fh,É,í[]A’ZŽžŠÔ,Éfvf[]fOf  
%of~f”fO,μ[]A“d<C“l,É[]Á<Ž,Å,«,éftf%fbfVf... fVfŠfRf” f[]f,fŠ<Z[]p,ª“f[]Ú,³,è,À,ç,Û,·[]Bftf%fbfVf...  
fj[]fh,í[]A’Éí[]Af^fCfv±T fj[]fh,ªŽg,í,è[]A256KB ,©,ç 40MB ,ì—e—É,ì,à,ì,ª, ,è,Û,·[]B

## CD-ROM

fRf“f p f N f g f f f B f X f N f t f H [ f } f b f g, É Š î, ã, ç, ½ “ Ç, Ý Ñ ž, Ý Ñ ê — p, ì f f f B f X f N < Z Ñ p, Å, · Ñ B 1 , Â, ì f f f B f X f N, Å — ñ  
600MB , ì — e — Ê, <sup>a</sup>, , è, Ü, · Ñ B

## ĀĒŸ•◻◻

PCMCIA ,É, ; , éĀĒŸ•◻◻,Æ,Í◻APCMCIA •W◻€ ,ì,» ,ì'¼,ì•"•ª◻A, " ,æ,Ń'¼, ðfxf"f\_◻◻[ ,ª'ň<Ÿ, .,é PCMCIA  
•W◻€ ,É'í%ž,μ,½◻»•i,È,Ç,Æ,ì<æ'¶" ©◻ì,ìŽÚ"x,Å,◻B

# fc[]fTf[]bfg

Xerox ,<sup>a</sup>Šj” ,μ,½f[]bfgf[]N,ì•W[]€ ,Å[]A,±,ê,ð,à,Æ,É IEEE 802.3 •W[]€  
,<sup>a</sup>ò[]¬,³,ê,Ü,μ,½[]BfC[]fTf[]bfg,í[]A10 f[]Kf[]bfg/•b,[]ff[]f^“]’—fC[]f[]g,ðfTf[]f[]g,μ,Ü,•[]B

## FAT

FAT (File Allocation Table) is a file system used in MS-DOS, Windows, and OS/2. It is a simple file system that uses a table to store the location of each file's data on the disk. The table is called the File Allocation Table (FAT) and is stored on the disk. Each entry in the table represents a file and contains the starting sector and the length of the file. The file's data is then stored in the sectors indicated by the table. FAT is a simple and efficient file system that is easy to implement and use.

## SCSI

SCSI, í A Small Computer Standard Interface, ì “• ¶ Ž š, ð Ž æ, Á, ½ —ª Ć ê, Å, · BSCSI, í A f f f B f X f N f h f % o f C f u A f X f L f f f i A C D - R O M A f e [ f v f h f % o f C f u, È, Ç, ì, ‘, ¬, È Ž ü • Ó < @ Š í, ð Ú ±, ·, é, ½, ß, Ì, ‘ ¬ f p f % o f Ć f < f f [ f ^ f o f X, Å, · B



## f,fff€ fj[]fh

**MOD**ulate/**DEM**odulate ,ì—ªŒê,Å,·□BfffWf^<□M□t,ðfAfif□fO□M□t,É•İŠ·,·,é□A□Ø,è‘Ö,|“d~b  
%oñ□ü□ã,ì“‘—,É“K,μ,½fn□[fhfEfFfA,Å,·□B

## ff,fš fefNfmfW[ fhf%ofCfo (MTD)

ff,fš fefNfmfW[ fhf%ofCfo,íA“Á’è,ì PC ff,fš fj[fh,ÉŠÖ,·,éfAfNfZfX,âfvfOf  
%of~f“fOî•ñ,đ’ñ<ÿ,·,éj[fhfT[fxfX fNf%ofCfAf“fg fhf%ofCfo,Å,·BMTD ,đ•K—  
v,Æ,·,é^è”É“l,Éff,fš fefNfmfW[,Æ,μ,Ä,íAftf%ofbfVf... ff,fš,Æ SRAM ff,fš,<sup>a</sup>, ,è,Ü,·B

# ISA fofX

ISA, Ü, ½, Í Industry Standard Architecture, í AAT ĄÉŸŠ·<@, ì·W□€fofX, Å, ·□BISA ·W□€, í A16  
frfbfgŠg' £fofX, ì<@" \, đ' ñ<Ÿ, μ, Ü, ·□B

## fTfXfyf“fh

fTfXfyf“fh f, [fh, í, à, Á, “, i, d—, ì, á, ç, ó, Ô, Å, A, x, Ž, ~, ó, Ô, ð, Ć, Ÿ, o, , , é, ^, f, C, f, }

, â, f, t, [f, U, [ , ©, ç, ì, f, R, f, } f“fh, É, æ, Á, Ä, ü, é, ±

, Æ, ð, Å, «, Ü, ·, B, f, T, f, X, f, y, f, “, f, h, É, ü, é, ¼, O, ì, ó, Ô, í, •, Û, ‘, ¶, ³, ê, A, f, t, [f, U, [ , ©, ç, ì, f, R, f, } f“fh, É, æ, Á, Ä, » , ì, ó, Ô, É, ß, , , ±, Æ, ð, Å, «, Ü, ·, B, f, A, f, N, f, e, f, B, f, u, f, [fh, É, ß, é, ±, Æ, ð, Å, Š, Æ, Ć, ¾, ç, Ü, ·, B

# ÄŠJ

ÄŠJ, íAfvfXfef€, áÁ"i" d—í, ì'á, çTfXfyf"fh f, []fh, ©, çfAfnfefBfu f, []fh, É"ü, é%ß'ö, őŽw, μ, Û, ·B

# f^fCfv†T fj[]fh

PCj[]fh,ì• —□“l,È•W□€,ì€`□ó,ì 1 ,Â,Â,·□Bf^fCfv†T fj[]fh,í€ú,<sup>3</sup> 3.3mm  
,Â□A'É□í□Af□f,jŠPCj[]fh,ÉŽg,í,ê,Ü,·□B

## f^fCfv†U fj□[fh

PCjj□[fh,ì• —□“l,È•W□€,ì€`□ó,ì 1 ,Â,Â,·□Bf^fCfv†U fj□[fh,í€ú,<sup>3</sup> 5mm ,Å□A'Ê□í□Al/O  
fffofCfX,ÉŽg,í,ê,Ü,·□B

## f^fCfv†V fj□[fh

PCfj□[fh,ì• —□“l,È•W□€,ì€`□ó,ì 1 ,Â,Â,·□Bf^fCfv†V fj□[fh,í€ú,<sup>3</sup> 10.5mm ,Â□A'Ê□í□AATA  
f□□[fefCfghn□[fhfffBfXfN,ÉŽg,í,ê,Û,·□B



## SRAM fJ[fh

SRAM (**S**tatic **R**andom **A**ccess **M**emory) , íA'½,, ìPCfj[fh, ÉŽg, í, ê, Ä, ç, éf[f, fŠ f`fbfv, Å, ·BSRAM  
fj[fh, ì—e—Ê, íA64KB , ©, ç 6MB , ÅACEú, <sup>3</sup>, íf^fCfv#I , Å, ·BSRAM  
fj[fh, íAfff[f^, ð•ŮŽ, , é, ½, ß, ÉfofbfefŠ[ , ð•K—v, Æ, μ, Ů, ·B

## fhf“fOf<

fsfOfe[f<,Æ,àĈÄ,Î,ê,Ä,ç,éfhf“fOf<,ÍAPCfj[fh,Æ I/O fffofCfX,ðÚ'±  
,·,éfR[fh,Å,·Bf,fff€Afjfbfgf[fNASCII fj[fh,É,íA'ÉíA'...'E%oÅ"\,Èfhf“fOf<,ª“~«,³,ê,Ä,ç  
,Ü,·B

## **fEjBf“fhfE (f□f,fŠ,Ü,½,Í I/O)**

fVfXfef€f□f,fŠ,â I/O fXfy□[fX“à,ì—ì^æ,Å□A,±,±,δ'Ê,μ,ÄPCfj□[fh,ÉfAfNfZfX,·,é,±  
,Æ,ª,Å,«,Ü,·□BfEjBf“fhfE,Æ,Í□AfzfXfgfAfhfCEfXfXfy□[fX,Æfj□[fhfAfhfCEfXfXfy□[fXŠÔ,Ìfn□[fhfEjFfA  
f}fbfsf“fO<@□\,Å,·□B

# Žü•Ó<@Ší

fRf“fsf...[f^,ÉÚ'±

,<sup>3</sup>,ê,½'•'u,ÅAf,fjf^[[AfvfŠf“f^AfXfLfffiAf}fEfXÅŠO•”fn[fhffBfXfN[Aftf[fbfs[ fffBfXfN[A  
CD-ROM fhf%ofCfuAfXfs[fjA,Ü,½,ÍL[f{[fh,È,Ç,ŠY“- ,μ,Ü,·B

## PDA

PDA, í **P**ersonal **D**igital **A**ssistant, ì“<sup>a</sup>•ŕŽš, ðŽæ, Á, ½—<sup>a</sup>Œê, Å□A□Å<ßŠJ”-  
,<sup>3</sup>, ê, ½□→Œ^, ìfnf“fhfwf<fh fRf“fsf...□[f^, ðŽw, μ, Ü, ·□BPDA, íŒg‘Ñ, É•Ö—~ , ÅŽg, ç, â, ·, ç  
, ½, ß, É”ñ□í, ÉŽÄ—p“l, Å□A“½,, ì PDA, ìfl□[f{□[fh, ì‘ã, í, è, Éfyf““ü—ìfvfXfef€ , ð□ì—p, μ, Å, ç, Ü, ·□B

# fm [fgfufbfN fRf“fsf... [f^

o'£, È, Ç, É, æ, Žg, í, ê, éfRf“fjpfNfg, ÅÆg'Ñ, É•Ö— ~, ÈfRf“fsf... [f^, Å, ·Bfm [fgfufbfN, ÍA'ÊíA3 fl  
f“fh (1.36kg) , ©, ç 5 flf“fh (2.27kg) 'ö“x, ìd, ³, ÅAfofbfefS [ <ì“ ® ŽžŠÔ, Í-ň 4 ŽžŠÔ, ©, ç 6  
ŽžŠÔ, Å, ·B

## f\šfbfh fXfe[]fg

f[]f,š<L%°~ffofCfX,É,“,̄,é\šfbfh fXfe[]fg,í[]A<L%°~f[]ffBfA,ÉĀ'è,<sup>3</sup>,ê,Ä,ç  
,É,ç•”•i,<sup>a</sup>,Ü,Æ,ñ,Ç[]A, ,é,ç,í,Ü,Ä,<sup>1/2</sup>,,É,ç,±,Æ,đ^Ó-;μ,Ü,·[]B,»,ì,<sup>1/2</sup>,ß,É[]A\šfbfh fXfe[]fg  
ffofCfX,í[],ç'í<v[]«,Æ[]M—Š[]«,đŽ[],Ä,Ä,ç,Ü,·[]Bftf%°fbfVf...â SRAM f[]f,š,f\šfbfh fXfe[]fg  
f[]ffBfA,Ä,·[]B

## fxf<fk[]fC fhf%ofCfu

fxf<fk[]fC f{fbfNfX, í[]A''², «Žæ, è%oÂ''\j[]fjgfŠfbfW, ðŽg, x'â—e—Ê<L%o~fvfXfef€, Å[]Afxf<fk[]fC  
fhf%ofCfu, Æ, μ, Ä'm, ç, ê, Ä, ç, Ü, ·[]B, ±, ìf[]ffBfA, í[]AfOf%oftfBfbfNfffUfCfi, â^óü%ižĐ, Å, æ, -  
Žg, í, ê, Ü, ·[]B



## fy [fwff

ft [fU [ ,<sup>a</sup>, Ç, ±, É, ç, Ä, à, ñ, <sup>3</sup>, È, f, p, f, b, f, g, ì, ñ, ð, Ž, ó, <sup>-</sup>, Ž, æ, é, ±, Æ, <sup>a</sup>, Å, «, é, ñ, <sup>3</sup>, È-  
<sup>3</sup>ü' È, M, f, f, o, f, C, f, X, Å, ·, B, Ù, Æ, ñ, Ç, ì, ê, ð, A, ±, ì, f, p, f, b, f, g, ì, ñ, í, A—, ð, Ž, æ, è, x, Æ, μ, Å, ç  
, é, ì, ð, "d~b" Ó, t, Å, ·, B

# fRf“frfl[]fVf#f“ fj[]fh

•i[]”,i<@”\,đŽ[],Á,½PCfj[]fh,đŽw,μ,Û,·,ª[]APCfj[]fh<KŠi,É,Í[],ç,Û,¹,ň[]B

f}f<f`ftf@f“fNfVf#f“

fj[]fh,É,Í[]A,Q,Á,lf^fCfv,ª, ,è,Û,·[]BfjŠfWfjif<,lf}f<f`ftf@f“fNfVf#f“fj[]fh,lfRf“frfl[]fVf#f“fj[]fh,Û,½,  
lfRf“fj[]fh,ÆCEÁ,ň,¾•û,ª—Ç,ç,Á,μ,â,ª[]B ,±,ê,ç,lfRf“fj[]fh,Á,Í[]Afj[]fh[]ã,Á•i[]”,i<@”\  
,đŽæ,è^μ,ª,½,ß,É“Á•É,ÈDOSfhf%ofCfo,ª•K—v,Á,·[]B

**^Ãt%o»**

'¼|,Éî•ñ,ª“Ç,Ü,ê,È,ç,æ,κ,ÉAfRlfh,Ü,½,ÍpfXfllfh•t,«,Åî•ñ,ðfXfNf%of“fuf<,·,é,½,ß,ÉŽg,ç,Ü,·B

## CARDID.EXE

CARDID.EXE ,íACardWorksXfp fNf%oCfAf“fg fhf%oCfo,Å,·BCARDID  
,íAftf@fbfNfX/f,fff€ fjfhAATA fjfhA,Ü,½,ífbfgf fN fjfh,îê•”,ðÝè,μ,Ü,·B%Šú  
%o»ftf@fCf< CARDID.INI ,É,íACARDID.EXE ,ì,½,ß,ìY’èpf%o f^,ŠÜ,Ü,ê,Ü,·B

## CSALLOC

CSALLOC.EXE (CardSoftf, [fh, i, Y) , íACardWizard fhf%ofCfo, Å, ·BCSALLOC , i-  
đŠ,, íAfvxfef€fš\ [fX, íê—, đi [fh, ·, é, ±, Æ, Å, ·Bfj [fhfT [frfX (CS.EXE)  
, íA [V, ½, É' } "ü, ³, ê, ½PCfj [fh, đY'è, ·, é, Æ, «, Éfš\ [fX ^ê— (CSALLOC.INI) , đŽQ [Æ, μ, Ü, ·B

## fg [fNf“fŠf“fO

IBM ,iflfbfgf [fLj“fO ftfH [f}fbfg, Å, · Bfg [fNf“fŠf“fO flfbfgf [fN, i“]’ —fXfs [fh, í A4Mbps  
(f [KfofCfg/•b) ,Ü, ½, í 16Mbps ,Å, · (fC [fTflfbfg flfbfgf [fN, i“]’ —fXfs [fh, í A10Mbps ,Å, ·) B

## IRQ

Interrupt **ReQ**uest ,ì“<sup>a</sup>•¶Žš,đŽæ,Á,½—<sup>a</sup>CEê,Â,·□BIRQ ,í□AfffofCfX,ÉŠ,,,è“- ,Ä,ç,ê,½fn□[fhfEjfFA  
fŠ^□[fX,đŽw,μ,Ü,·□BfffofCfX,í IRQ fn□[fhfEjfFA f%ofCf“ ,đŽg,Á,ÄŠ,,,è□Ž,Ÿ,đ“`‘—  
,μ,Ä□M□†,đfVfXfef€,É‘—□M,μ,Ü,·□B

## CardWorks

Windows 95'í%ž@PCfj[fhf\ftfgfEfffACardWorks  
,.í,·,x,Ä,lf^fCfv,ìPCfj[fh,ÉL'í,ìCEYŠ·«,đ'ñ<Ÿ,μ,Ü,·B  
CardWorks ,íDuoDriver,É,æ,Ä,ÄWindows 95@PCfj[fh,ìPCMCIA<@"\,đŠg'£  
,μ,Ü,·BDuoDriver,É,æ,Ä,Äfvf%ofOfAf"fhfvfCEfC(PnP)fffofCfXfhf%ofCfo,Æfj[fhfT[frfXfNf  
%ofCfAf"fgfhf%ofCfo,đ"Žž,ÉŽg—p,·,é,±,Æ,ª,Ä,«,Ü,·B



## DMA

DMA (Direct Memory Access) is a technique that allows data to be moved directly between memory and I/O devices without the intervention of the CPU. This is achieved by using a dedicated DMA controller that can access memory and I/O devices independently of the CPU. The CPU initiates the transfer by programming the DMA controller with the source and destination addresses and the amount of data to be transferred. Once the transfer is complete, the CPU is notified and can then process the data. DMA is commonly used for transferring large amounts of data, such as audio and video, and for improving system performance by reducing the CPU's workload.

## Windows 95

Windows 95, íf}fCfNf□\ftfgŽĐ, ìfp□[fVif<fRf“fsf...□[f^—  
p□AWindows, ì□Å□V”Å, Å□AfJfyf□□[fefBf“fOfVfXfef€, ì’t, É“□□‡, ³, ê, ½fvf%ofOfAf“fhfvf□fC<@”\  
, ð”ð, |, Ä, ç, Ü, ·□B  
CardWorks, ì□Af]□[f^fuf<, Ü, ½, ìffXfNfgfbfv, ìPCfj□[fh’î%žfVfXfef€, ð□L’í^í, É, í, ½, Á, ÄfTf]  
□[fg, μ□AWindows 95, ì<@”\, ð•â, Á, Ä, ç, Ü, ·□B

## DuoDriver

DuoDriver i "Á<-oŠè'tjjfCf" f^ftjF[fX,É,æ,Á,ÄAWindows 95f,[fh,Æfvf%ofOfAf"fhfvfÆfC  
f,[fh,ìj[fhfT[fxfX,ð"Žž,ÉŽg—p%oÂ"\,Æ,·,éŽ-,É,æ,èAÅæ',IPCj[fh,ðfTj[fq,μ,Û,·B

# fvf%ofOfAf“fhfvfÆfC

ufvf%ofOfAf“fhfvfÆfCv,Æ,ÍA□V,μ,-  
fCf“fXfg□[f<,³,ê,½fn□[fhfEfFfAfffofCfX,³ft□[fU□[,ìžè,ð,í,,ç,í¹,,É`“®,·,é,Æ,ç,±,±,Æ,Å,·□B

## CardSoft

CardSoft ,íAPCfj[fh<KŠi16frfbfg,É€<',.,é\ftfgfEjFfA,ÅA\  
fPfbfgfT[fxfXAfj[fhfT[fxfXAf,fŠfefNfmfWfhf%ofCfoAÝ'è,ÆfŠf[fX,ìŠ,,è“-  
,Āft[fefBfŠfefB,É,æ,Ā,Ā\¬¬,³,è,Ů,·B

## CRC (Cyclic Redundancy Check)

CRC, íff[]f^'Ê[]M'+ftf@fCf<"']'—,ÉŽg,í,ê,é[]A[],[]«"\",ÈfGf%oo[][ĈËŸ'm<@"\,Å,·[]B

## fÆfWfXfgfŠ

fÆfWfXfgfŠ, í Windows 95, ª, » , ì ' S, Ä, ì ' Ý ' è ff [ f ^ , ð • Ò ' ¶ , , é • Ò Š Ç ' t • , É , , ½ , è , Ò , • □ B  
, ± , ì < @ " \ , ì AAUTOEXEC.BAT □ ACONFIG.SYS □ AWIN.INI □ ASYSTEM.INI , ð Š Ò , þ MS-  
DOS □ AWindows3.x, ì — ì X, È ' Ý ' è ftj @ f C f < , É ' ä , í , é , à , ì , Å , • □ B

## INF ftj@fCf<

CardWorks ,íWindows 95,ìINFftj@fCf<,ðfXfLfff“,μA□V,μ,‘}“ü,<sup>3</sup>,ê,½PCfj□[fh,<sup>a</sup>Windows 95,ÅfTfj  
□[fg,<sup>3</sup>,ê,Ä,ç,é,©□A,»,ìfj□[fh,<sup>a</sup>f}fCfNf□\ftfg,ìPCfj□[fh fj□[fhfCEfWfXfgfŠ,Æ^ê’v,μ,Ä,ç,È,ç,©,Ç,α  
,©,ð<sup>2</sup>,x,Û,·□B,à,μ□APCfj□[fh,<sup>a</sup>Windows 95,ÅfTfj□[fg,<sup>3</sup>,ê,Ä,ç,ê,ì□ACardWorks ,ÍPnP,ðŽg—  
p,μ□AWindows 95,<sup>a</sup>,»,ìfj□[fh,ð□Y’è,Å,«,é,æ,α,É,μ,Û,·□B



# f}f<f`ftf@f“fNfVf#f” fj□[fh

f}f<f`ftf@f“fNfVf#f” fj□[fh,í^ê-‡,ìj□[fh,Å□A•i□”,ì<@”\ ,đft□[fU,É’ñ<Ÿ,μ,Û,·□iPCfj□[fh<KŠi,ÉŠî,Ä,«,Û,·□j□B—á,ì,î□A^ê-‡,ìPCfj□[fh,Åftf@fbfNfX□^f,fff€ftfj □[fg,Æ”~Žž,É□Aflfbfgf□□[fNfTfj□[fg,à,Ä,«,Û,·□Bf}f<f`ftf@f“fNfVf#f” fj□[fh,í□A’¼,É,à’½,- ,İÖ~A,μ,½fefNfmf□fW□[,ì’g,Y□‡,í,¹,đfTfj□[fg,·,é,±,Æ,ª,Ä,«,Û,·□B

□V,μ,çf}f<f`ftf@f“fNfVf#f” fj□[fh,í□A□V,μ,çPCfj□[fh<KŠi,É%oo^,Ä,Ä□ì,ç,ê,Ä,¨,è□A^ê- ‡,ìj□[fh,Ä,V,Ä,ì”~Žž<@”\,đ”ö,ì,Ä,ç,Û,·□B

f}f<f`ftf@f“fNfVf#f” fj□[fh,í□A□j□[fh,ì“ü,ê’Ö,ì,È,μ,Å□A,»,ì<@”\,đ•ï,ì,½,è□AŠg’£,·,é,± ,Æ,ª,Ä,«,Û,·□B,Û,½□AfvfXfef€,Ä•K—v,ÈfXf□fbfg□”,đCE,ç,·,±,Æ,ª,Ä,«,Û,·□B

# FTL (ftf%ofbfVf... fgf%of“fXfœ[fVf‡f“ fœfCf,,ij

FTL,Íftf%ofbfVf...

f[]ffBfA,Éftf@fCf:fVfXfef€ff[]f^,ð•ÛŞÇ,·,é,½,ß“Á•Ê,É[]ì,ç,ê,½fuf[]fbfNffofCfXfhf%ofCfo,Å,·[]B

# fY[f€fh frfffi

fY[f€fh frfffi, íAPCj[fh fPfbfg, Æfrfffi fRf“fgf[f%ŠÔ, ð'¼ÚÚ'±, μAfrfffi  
fAfvfŠP[fVf#f“, ì<@“\, ðÆüã, ³, ¹, é, ±, Æ, ¢, Å, «, Ú, ·B

# f}f<f` f{f<fefCfW fTf|[]fg

f}f<f` f{f<fefCfW fTf|[]fg, íAŽ © “ ® “ I, É “ d ^ 3, ð Ć v, è [] Afj Pfbfg, ì, ½, ß, ì “ K “ - , È “ d ^ 3, ð [] Ý ‘ è, . , é, ±, Æ, ð, Å, «, Ü, · [] B ‘ Í % ž, Å, «, é “ d ^ 3, í [] A3.3V [] A5.0V [] A12V , Å, · [] B

# f\pfbfgfpf[] f}f[]fWf[]f“fg

f\pfbfgfpf[] f}f[]fWf[]f“fg, íA\pfbfg, Ü, ½, íA\fvf^, Ö, ì“dCE¹, ð[]\$CEä, µ, Ü, ·[]B, ±, ì<@“\ ,É,æ,è“C^Ó, ífXf[]fbfg, ì“dCE¹, ífif“[]Eflft, ð[]Ø, è'Ö, ì, é, ±, Æ,ª, Å,«, Ü, ·[]B

,³,ç, É[]AfvfXfef€,ªfvf^f“fhfofC f,[]fh, Å, ,éŠÔ, íPCfj[]fh, ðflft, É, µ[]Afr[]f<,ª“ü, Á, ½Žž, ÉfvfXfef€ ,ðfTfXfyf“fh f,[]fh, ©,çA\NfefBfu,É,·,é, ©,Ç,ª, ©, í[]\$CEä, ð,·,é, ±, Æ,ª, Å,«, Ü, ·[]B

# f\pfbfgf[]f~f“fO

f\pfbfgf[]f~f“fO,É,æ,è[]A\pfbfg-¼,đ•\Ž!,μ•Ī[]X,·,é,±,Æ,ª,Å,«,Ü,·[]B,±,ìî•ň,í WIZ.INI  
ftf@fCf<,É•Û‘¶,³,ê,Ü,·[]B

# fhf%ofCfoY'è

, ±, ì < @ " \ , É , æ , è □ AfVfXfef€ , ã " C ^ Ó , ì f ^ f C f v , ì P C f j □ [ f h , ð f T f | □ [ f g , Å , « , é , æ , x  
, É □ Y ' è , Å , « , Ü , · □ B , » , Ì , ½ , ß □ AfVfXfef€ , É • K — v , É fhf%ofCfo , Ì , Y , ð f C f " f X f g □ [ f < , μ , Ä □ Af □ f , f Š , ð □ ß -  
ñ , Å , « , Ü , · □ B

# fofbfefŠ [ , ì ó Ô (SRAM fofbfefŠ [ )

, ±, ì < @ " \ , É , æ , è ASRAM fj [ fh fofbfefŠ [ , ì ó Ô , ð • \ Ž | , , é , ± , Æ , ¢ , Å , « , Ü , · B ó Ô , ì % o Â \ [ « , Í A , È , μ E ' á EOK , Å , · B



## f%ofCfgrvf fefNfg (SRAM ,Ü,½,Í ftf%ofbfVf... fj[fh)

,±,ì<@"\,É,æ,èAftf%ofbfVf... fj[fh,Ü,½,Í SRAM fj[fh,lf%ofCfgrvf fefNfg,ìó'Ôi—LÆø,Ü,½,Í-  
³Æø,ì,Ç,ì,ç,©j,ð•Ž|,·,é,±,Æ,ª,Å,«,Ü,·B

## fXf^f“fhfofC f,[]fh

fVfXfef€ ,đfXf^f“fhfofC f,[]fh,É,·,é,Æ[]ACEÀ'è[] ,jVfXfef€ fRf“fj  
[]fj“fg,ì“dCE¹,ªfjft,É,È,é,©,Ü,½,í'á'¬,É,È,è,Ü,·[]i,» ,ìCE<%oÊ[]Á”i“d—í,ª'á,,È,è,Ü,·,ª[]AftfXfyf“fh  
f,[]fh,Ü,Ç,Å,í, ,è,Ü,¹,ñ[]B“dCE¹fjft,Ü,½,í'á'¬,É,È,éfRf“f[]fj“fg,í[]ACPU  
fNf[]fbfN[]i'âŽ~[]j[]Aftf[]fbfs[]fhf%oCfu^fRf“fgf[][]f%o[]ifXf^f“fhfofC[]j[]Afn[]fhfffBfXfN  
fRf“fgf[][]f%o[]ifjft[]j,Å,·[]B

## CardBus

, ±, ì CardWizard , ì ŠfŠ [fX, í ACardBus fj [fh, ðfTf [fg, µ, Û, · B

CardBus , É, Í Ž Ÿ, ì, æ, ¼, È < @ " \, ª, , è, Û, · B

- □ Á " " d — í, ª ' á, ç □ i 3.3V , ð Ž g — p □ j
- □, ' ¬ □ i < Æ
- - ^ • b 100 Mb Network fj [fh
- □, ' ¬ SCSI , ðfTf [fg

