
THE KERMIT COMMUNICATION SOFTWARE CATALOG

Kermit is the low-cost, high-quality alternative to expensive commercial communication software. Kermit software incorporates Columbia University's error-correcting Kermit protocol for transferring text and binary files between computers of all sizes. It is well documented and in wide use; it is available for about 400 different computers and operating systems, written in a wide variety of programming languages. Source code is available for all versions.

Kermit software works over direct or dialed serial connections, and often over local and wide area networks too. For file transfer to take place, a Kermit program runs on *each* end of the connection, one on each computer. The most popular Kermit software programs are described below. The complete collection is listed on pages 2–3.

MS-DOS Kermit 3.13

MS-DOS Kermit **3.13** runs on the entire **IBM PC** and **PS/2** families and compatibles under **MS-DOS** versions 2.0 through 6.0, directly under DOS or in Microsoft **Windows**. MS-DOS Kermit is packaged on diskette with the book *Using MS-DOS Kermit* by Christine M. Gianone, Digital Press (1992).

MS-DOS Kermit's terminal emulations include DEC VT320 and VT220 (international models), VT102, VT100, VT52, Data General DASHER D463 and D470, Heath/Zenith-19, plus Tektronix 4014 and Sixel graphics. Terminal emulation features include screen rollback, capture, copy, and print; 132-column mode; horizontal scrolling; key mapping and macros; comprehensive character-set support; a compose key for entering accented letters; color text and graphics; much more.

File transfer features include long packets, sliding windows, dynamic packet length, locking shifts, control-character "unprefixing," and international character-set conversion for Western and Eastern European languages, Cyrillic, Hebrew, and Japanese. **Automation features** include command macros, command files, and a powerful, easy-to-use script programming language.

Serial connections are supported for COM1–COM4 at speeds up to at least 57,600 bps; RTS/CTS hardware flow control is available for use with high-speed modems. Automatic modem dialing scripts are included for Hayes, Telebit, US Robotics, Practical Peripherals, and other modems, and there is an easy-to-use dialing directory. **Network support** includes TCP/IP (built-in, with up to *six concurrent sessions*), AT&T StarLAN / StarGROUP, DEC PATHWORKS, IBM NETBIOS, IBM LANACS, Novell NASI/NACS, Novell LWP TELAPI, 3COM BAPI, Beame & Whiteside TCP/IP, Intel OpenNET, Ungermann Bass Net/One, Interconnections TES, as well as BIOS Interrupt 14 support for externally-established network connections. TCP/IP connections require a *packet driver* (Ethernet or SLIP class) or an *ODI driver*, and can coexist with Novell IPX connections.

C-Kermit 5A

C-Kermit 5A(189) is the Kermit software for **UNIX**, **VAX/VMS**, **OpenVMS VAX** and **AXP**, **IBM OS/2**, Data General **AOS/VS**, Microware **OS-9**, Apollo **Aegis**, the Commodore **Amiga**, and the **Atari ST**. C-Kermit supports all the same advanced Kermit file transfer capabilities as MS-DOS Kermit 3.13. Communications features include key mapping and keystroke macros, automatic dialing, a dialing directory, terminal connection (the OS/2 version also includes built-in VT102 emulation), TCP/IP and other network support in the UNIX, VMS, OS/2, and AOS/VS versions, a powerful script programming language, and international character-set conversion for both file transfer and terminal connection. C-Kermit software comes with the book *Using C-Kermit* by Frank da Cruz and Christine M. Gianone, Digital Press (1993), a step-by-step introduction and a comprehensive reference.

IBM Mainframe Kermit 4.2

IBM mainframe Kermit Version 4.2 for **VM/CMS**, **MVS/TSO**, **CICS**, and **MUSIC** supports advanced Kermit protocol features including long packets and international character sets, and it works with a wide variety of communication processors in linemode and protocol converters in 3270 fullscreen mode. The program is distributed in IBM 370 assembly language source-code form with complete online instructions for building and using.

The Kermit Protocol Specification

The Kermit protocol specification, complete with C-language programming examples, is given in the book *Kermit, A File Transfer Protocol* by Frank da Cruz, Digital Press (1987), which also includes an overview of what Kermit is for and how it works, with tutorials in computer file systems and data communications.

Prefix	Tape	Machine	Operating System	Program Language	Program Version	Released yy/mm/dd	Prefix	Tape	Machine	Operating System	Program Language	Program Version	Released yy/mm/dd
CK	F	various	4.1-3 BSD	C	5A189	93/06/30	K11	B	DEC PDP-11	RSTS/E	Macro-11	3.60	89/06/13
CK	F	various	4.4 BSD	C	5A189	93/06/30	K11	B	DEC PDP-11	RSX-11/M,+	Macro-11	3.60	89/06/13
CK	F	various	POSIX	C	5A189	93/06/30	K11	B	DEC PDP-11	RT-11	Macro-11	3.60	89/06/13
CK	F	various	QNX 4.1	C	5A189	93/06/30	K11	B	DEC PDP-11	TSX+	Macro-11	3.60	89/06/13
CK	F	various	UNIX SIII	C	5A189	93/06/30	K12	D	DEC PDP-12	OS/12	PAL-8	10g	90/09/13
CK	F	various	UNIX SVR2	C	5A189	93/06/30	K11	B	DEC Pro-3xx	P/OS	Macro-11	3.60	89/06/13
CK	F	various	UNIX SVR3	C	5A189	93/06/30	K11	B	DEC Pro-3xx	Pro/RT	Macro-11	3.60	89/06/13
CK	F	various	UNIX SVR4	C	5A189	93/06/30	C86	C	DEC Rainbow	CPM86	ASM86	2.9	84/12/03
TRI	C	various	TRIPOS	BCPL	-	87/07/10	MS	A	DEC Rainbow	MS-DOS	MASM	3.10	91/03/18
TD	C	various	TurboDOS	ASM	-	92/10/29	QNX	C	DEC Rainbow	QNX 1.x	C	1.0	85/09/23
FLX	C	various 6809	Flex 9	6809 Asm	-	86/04/17	CK	F	DEC VAX	4.xBSD	C	5A189	93/06/30
UF	C	various 6809	UniFLEX	C	1.4	89/02/02	CK	F	DEC VAX	(Open)VMS	C	5A189	93/06/30
OS9	C	various 6809	OS-9	C	1.5	85/09/20	CK	F	DEC VAX	ULTRIX	C	5A189	93/06/30
CK	F	various 68000	OS-9	C	5A189	93/06/30	CK	F	DEC VAX	UNIX SVR3	C	5A189	93/06/30
OS9	C	various 68000	OS-9	C	1.5	85/09/20	VMS	B	DEC VAX	VMS	Bliss,Macro	33128	91/01/04
CP	A	various 808x	CPM80 2.2	LASM	4.11	91/04/23	MS	A	DEC VAXmate	MS-DOS	MASM, C	3.13	93/07/08
CP	A	various 808x	CPM80 3.0	LASM	4.11	91/04/23	CK	F	DEC VAXstation	(Open)VMS	C	5A189	93/06/30
MS	A	various 80x86	MS-DOS	MASM	3.13	93/07/08	CK	F	DEC VAXstation	ULTRIX	C	5A189	93/06/30
CP	A	Access Matrix	CPM80 2.2	LASM	4.11	91/04/23	CP	A	DEC VT-180 Robin	CPM80 2.2	LASM	4.11	91/04/23
BBC	C	Acorn BBC B	OS1.20	6502 Assem.	1.45	87/05/19	K12	D	DEC VT-78	OS/8 Fam.	PAL-8	10g	90/09/13
BBC	C	Acorn BBC B+,128	OS 2	6502 Assem.	1.45	87/05/19	K12	D	DEC VT-278	OS/78 V4	PAL-8	10g	90/09/13
CP	A	Acorn BBC	CPM80 2.2	LASM	4.11	91/04/23	K12	D	DECmate I	OS/78 V4	PAL-8	10g	90/09/13
BBC	C	Acorn Compact	OS 3	6502 Assem.	1.45	87/05/19	K12	D	DECmate II,III	OS/278 V2	PAL-8	10g	90/09/13
BBC	C	Acorn Compact	Panos	C	4C 57	87/07/14	CP	A	DECmate-II,III	CPM80 2.2	LASM	4.11	91/04/23
BBC	C	Acorn Master 128	OS 3	6502 Assem.	1.45	87/05/19	MS	A	DECmate-II,III	MS-DOS	MASM	2.29	86/05/28
AC	C	Acorn Workstation	PANOS	C	-	87/07/13	CK	F	DECstation	OSF/1	C	5A189	93/06/30
MS	A	ACT Apricot	MS-DOS	MASM	2.30	88/05/12	CK	F	DECstation	ULTRIX	C	5A189	93/06/30
CP	A	Action Discovery	CPM80 2.2	LASM	4.11	91/04/23	K10	D	DECsystem-10	TOPS-10	Bliss, Macro	3.134	89/09/18
AM	C	Alpha Micro 68K	AMOSL 1.2	AM68K Asm	1.0	85/02/11	K20	D	DECSYSTEM-20	TOPS-20	MACRO-20	4.2	88/01/25
CK	F	Altos ACS68000	UNIX III,V	C	5A189	93/06/30	CK	F	Dell PC	Dell UNIX	C	5A189	93/06/30
CK	F	Amdahl Mainframe	UTSV, SVR2	C	5A189	93/06/30	CP	A	Delphi 100	CPM80 2.2	LASM	4.11	91/04/23
CP	A	Amstrad	CPM80 2.2	LASM	4.11	91/04/23	RD2	D	DG 800	RDOS	BASIC	-	87/03/26
APO	C	Apollo	Aegis	Pascal	2.9	89/05/07	CK	F	DG AViiON	DG/UX	C	5A189	93/06/30
CK	F	Apollo	Aegis 9.x	C	5A189	93/06/30	AOS	D	DG MV	AOS,AOS/VS	SP/Pascal	-	85/02/08
CK	F	Apollo/HP	SR10.0	C	5A189	93/06/30	CK	F	DG MV	AOS/VS,-II	C	5A189	93/06/30
CP	A	Apple II	CPM80 2.2	LASM	4.11	91/04/23	DGM	D	DG MV	AOS/VSMVUXC	-	-	85/11/27
APP	A	Apple II	DOS,ProDOS	CROSS	3.87	90/12/05	RDO	D	DG Nova	RDOS	Fortran-5	-	84/09/14
UCA	C	Apple II	UCSD p-Sys	UCSD Pascal	1.0	86/04/08	AOS	D	DG S250	AOS	Fortran-5	-	84/09/14
CK	F	Apple Macintosh	AU/X	C	5A189	93/06/30	CK	F	DIAB DS90	DNIX	C	5A189	93/06/30
CK	F	Apple Macintosh	Mac OS	MPW C	09189	93/05/30	CK	F	Dolphin Triton	UNIX SV/88	C	5A189	93/06/30
CN8	C	Argos Pro PC	CCPM86	ASM86	2.9	86/04/10	CK	F	Encore	UMAX 4.x	C	5A189	93/06/30
CK	F	AT&T 3B Series	UNIX SVR3	C	5A189	93/06/30	CK	F	Encore	UMAX V	C	5A189	93/06/30
CK	F	AT&T 6300 PLUS	UNIX SVR3	C	5A189	93/06/30	CP	A	Epson PX8	CPM80 2.2	LASM	4.11	91/04/23
CK	F	AT&T 6386 WGS	UNIX SVR3	C	5A189	93/06/30	LUX	C	FACIT DTC/DTC2	ABC-DOS	ABC-BASIC-II	4.11	90/07/13
CK	F	AT&T 7300 UNIXPC	UNIX Sys V	C	5A189	93/06/30	CN8	C	Fallon 2000	CCPM86	ASM86	2.9	86/04/10
AR	C	Acorn Archimedes	Arthur	C	1.3	93/05/01	CP	A	Ferguson BigB.I	CPM80 2.2	LASM	4.11	91/04/23
AR	C	Acorn Archimedes	RISC_OS	C	1.3	93/05/01	CK	F	Fortune 32:16	For:Pro2.1	C	5A189	93/06/30
ATA	C	Atari Home Comp.	DOS	Action!	-	84/01/09	CK	F	FPS 500	FPX 4.1	C	5A189	93/06/30
UCP	C	Atari MEGA ST2	UCSD p-Sys	Pascal	1.1	90/08/05	CN8	C	FTS PCI	CCPM86	ASM86	2.9	86/04/10
CK	F	Atari ST	GEMDOS	C	5A189	93/06/30	C86	C	Fujitsu Micro16s	CPM86	ASM86	2.9	85/09/23
CK	F	Atari ST	MINIX ST	C	5A189	93/06/30	C86	C	Future FX20/FX30	CPM86	ASM86	2.9	86/04/10
CP	A	BigBoard II	CPM80 2.2	LASM	4.11	91/04/23	GEC	D	GEC 4000 Series	OS4000	MUM/SERC	3.9	89/05/07
B78	D	Burroughs A-Series	MCS/AS	Algol	1.019	86/09/11	OS9	C	Gimex III	OS-9	C	1.5	85/09/20
CT	C	Burroughs B20	BTOS	C	2.00	93/01/20	GM	D	Gould/SEL 32	MPX-32	Fortran 77+	2.3	86/12/10
B68	D	Burroughs B6800	CANDE	Algol	-	85/02/15	MS	A	GRiD Compass II	MS-DOS	MASM	3.10	91/03/18
B78	D	Burroughs B7800	Burroughs	Algol	1.019	86/09/11	H1	D	Harris H100-1	VOS 4.1.1	Fortran-77	1.06	88/03/17
B79	D	Burroughs B7900	Burroughs	Algol	5.2	85/11/27	H8	D	Harris 800	VOS	Pascal,Asm	-	85/02/11
CD3	D	CDC Cyber	NOS	Fortran 5	3.4	88/05/10	CK	F	Harris NightHawk	CX/UX 6.1	C	5A189	93/06/30
CYB	D	CDC Cyber	NOS 2.2	Compass	1.0	86/04/17	CP	A	Heath H8	CPM80 2.2	LASM	4.11	91/04/23
NOS	D	CDC Cyber	NOS 2.4	Compass	1.30	87/05/19	CP	A	Heath/Zenith-89	CPM80 2.2	LASM	4.11	91/04/23
CDC	D	CDC Cyber 170	NOS,NOS/BE	Fortran-77	2.2	84/09/07	CP	A	Heath/Zenith-100	CPM85	LASM	4.11	91/04/23
CK	F	CDC Cyber 910	IRIX	C	5A189	93/06/30	MS	A	Heath/Zenith-100	MS-DOS	MASM	3.13	93/07/08
CK	F	Charles River	UNOS	C	5A189	93/06/30	MU	D	Honeywell	MULTICS	PL/I	2.0h	84/09/20
CIE	C	CIE 680/XX	REGULUS	C	-	87/01/26	HD6	D	Honeywell DPS6	GCOS6	C	2.01	91/06/03
CP	A	Cifer 1886	CPM80	LASM	4.11	91/04/23	HG	D	Honeywell DPS66	GCOS3,8	C	3.0	84/10/05
CP	A	Comart Communica	CPM80 2.2	LASM	4.11	91/04/23	HC6	D	Honeywell DPS8	CP-6	PL/6	1.00	88/01/28
C64	C	Commodore 64	FORTH	FORTH	1.5	85/02/08	HCP	D	Honeywell DPS8	CP-6	Pascal	-	85/04/04
C64	C	Commodore 64/128	DOS	CROSS	2.27	92/09/30	HDP	D	Honeywell DPS8	GCOS/TSS	B	1.1	85/03/21
CK	F	Commodore Amiga	3000UX	C	5A189	93/06/30	HG	D	Honeywell DPS8	GCOS3,8	C	3.0	84/10/05
CK	F	Commodore Amiga	Intuition	C	5A189	93/06/30	HC6	D	Honeywell DPS90	CP-6	PL/6	1.00	88/01/28
CK	F	Commodore Amiga	UNIX SVR4	C	5A189	93/06/30	HCP	D	Honeywell DPS90	CP-6	Pascal	-	85/04/04
CP	A	Compupro IF 3/4	CPM80 2.2	LASM	4.11	91/04/23	HL6	C	Honeywell L6/10	MS-DOS	MASM	1.20A	84/10/05
CVK	D	Computervision	CGOS	Fortran S	1.21	87/03/04	MS	A	HP Portable Plus	MS-DOS	MASM	3.10	91/03/18
PER	D	Concurrent 3200	OS/32 MT72	Fortran	1.0	87/03/04	MS	A	HP-110, 150	MS-DOS	MASM	3.10	91/03/18
CK	F	Concurrent 3200	Xelos SV	C	5A189	93/06/30	CP	A	HP-125	CPM80 2.2	LASM	4.11	91/04/23
CK	F	Concurrent 6xxx	RTU 4,5,6	C	5A189	93/06/30	HPM	D	HP-1000	RTE6, RTEA	F77 & Asm	1.99D	90/01/09
CK	F	Convergent	CTIX	C	5A189	93/06/30	HP2	C	HP-264x	-	8080ASM	1.2	87/10/09
CT	C	Convergent NGEN	CTOS	C	2.00	93/01/20	HP3	D	HP-3000	MPE	SPL	-	91/10/21
CK	F	Convex	ConvexOS	C	5A189	93/06/30	HP3	D	HP-3000	MPE	C	-	93/05/15
CP	A	CPT-85xx	CPM80 2.2	LASM	4.11	91/04/23	CK	F	HP-9000	HP-UX	C	5A189	93/06/30
CK	F	Cray X/MP, Y/MP	UNICOS 6,7,8	C	5A189	93/06/30	HPB	C	HP-9000/200/300	HP-BASIC	HP BASIC	1.02	89/06/21
CR	D	Cray-1,Cray-XMP	CTSS	Fortran-77	-	85/02/08	CK	F	HP-9836CU	HP-UX	C	5A189	93/06/30
CK	F	Cray-2,Cray-3	CSOS	C	5A189	93/06/30	HP9	C	HP-9845	BASIC/SAM	HP BASIC	1.00	86/10/07
CP	A	Cromemco	CPM80 2.2	LASM	4.11	91/04/23	HP9	C	HP-98xx	UCSD p-Sys	HP Pascal	-	84/01/20
CN8	C	Daisy PCi	CCPM86	ASM86	2.9	86/04/10	HP8	C	HP86	HP-BASIC	HP BASIC	1.01	87/04/29
CK	F	DEC Alpha AXP	OpenVMS	C	5A189	93/06/30	HP8	C	HP87	HP-BASIC	HP BASIC	1.01	87/04/29
CK	F	DEC Alpha AXP	OSF/1	C	5A189	93/06/30	IK	B	IBM 370 Series	CICS/MVS	Assembler	4.24	92/09/30
K12	D	DEC PDP-8	OS/8 Fam.	PAL-8	10g	90/09/13	IK	B	IBM 370 Series	CICS/VSE	Assembler	4.24	92/09/30
CK	F	DEC PDP-11	2.1x BSD	C	5A189	93/06/30	MT2	D	IBM 370 Series	MTS	PLUS	-	86/11/03
K11	B	DEC PDP-11	IAS 3.1	Macro-11	3.60	89/06/13	MTS	D	IBM 370 Series	MTS	Assembler	-	84/01/06
MP	B	DEC PDP-11	MUMPS-11	MUMPS-1982	-	84/04/11	MTS	D	IBM 370 Series	MTS	Pascal	1.0	84/01/06

Prefix	Tape	Machine	Operating System	Program Language	Program Version	Released yy/mm/dd	Prefix	Tape	Machine	Operating System	Program Language	Program Version	Released yy/mm/dd
IK	B	IBM 370 Series	MUSIC	Assembler	4.2.3	92/09/30	CK	F	Olivetti PCs	SCO UNIX	C	5A189	93/06/30
GUT	D	IBM 370 Series	MVS/GUTS	Assembler	-	85/04/05	MS	A	Olivetti PCs	MS-DOS	MASM, C	3.13	93/07/08
IK	B	IBM 370 Series	MVS/ROSCOE	Assembler	4.2.4	92/09/30	CN8	C	Orion PCI	CCPM86	ASM86	2.9	86/04/10
IK	B	IBM 370 Series	MVS/TSO	Assembler	4.2.4	92/09/30	CP	A	Osborne 1	CPM80 2.2	LASM	4.11	91/04/23
TS2	B	IBM 370 Series	MVS/TSO	Pascal/Vs...	2.3	87/10/01	UCM	C	PascalMicroengin	UCSD p-Sys	Pascal	III.0	84/12/03
TSN	B	IBM 370 Series	MVS/TSO	ALP/Assem	1.1A	87/09/17	MS	A	PC/8088 & higher	MS-DOS	MASM, C	3.13	93/07/08
IK	B	IBM 370 Series	MVXSXA/TSOE	Assembler	4.2.4	92/09/30	CK	F	PC/286 & higher	Microport	C	5A189	93/06/30
IK	B	IBM 370 Series	VM/CMS	Assembler	4.2.5	92/12/23	CK	F	PC/286 & higher	SCO Xenix	C	5A189	93/06/30
IK	B	IBM 370 Series	VM/ESA/CMS	Assembler	4.2.5	92/12/23	CK	F	PC/386 & higher	386BSD	C	5A189	93/06/30
IK	B	IBM 370 Series	VM/HPO/CMS	Assembler	4.2.5	92/12/23	CK	F	PC/386 & higher	BSDI/386	C	5A189	93/06/30
IK	B	IBM 370 Series	VM/IS/CMS	Assembler	4.2.5	92/12/23	CK	F	PC/386 & higher	Coherent	C	5A189	93/06/30
IK	B	IBM 370 Series	VM/SP/CMS	Assembler	4.2.5	92/12/23	CK	F	PC/386 & higher	ESIX SVR3	C	5A189	93/06/30
IK	B	IBM 370 Series	VM/XA/CMS	Assembler	4.2.5	92/12/23	CK	F	PC/386 & higher	Interactive	C	5A189	93/06/30
MS	A	IBM compatibles	MS-DOS	MASM, C	3.13	93/07/08	CK	F	PC/386 & higher	Linux/386	C	5A189	93/06/30
CS9	C	IBM CS9000	CSOS	Pascal	-	92/09/10	CK	F	PC/386 & higher	Microport	C	5A189	93/06/30
CK	F	IBM Mainframe	AIX 1.2	C	5A189	93/06/30	CK	F	PC/386 & higher	MINIX/386	C	5A189	93/06/30
CK	F	IBM Mainframe	AIX/ESA2.1	C	5A189	93/06/30	CK	F	PC/386 & higher	MtXinuMach	C	5A189	93/06/30
UCI	C	IBM PC	UCSD p-Sys	UCSD Pascal	0.1	84/05/23	CK	F	PC/486 & higher	NeXTSTEP	C	5A189	93/06/30
CC	C	IBM PC + clones	ChineseDOS	MASM	2.32A	91/09/09	CK	F	PC/386 & higher	OS/2 1.x	C	5A189	93/06/30
MX	B	IBM PC family	MINIX	C	4D 61	88/05/17	CK	F	PC/386 & higher	OS/2 2.0	C	5A189	93/06/30
TP4	C	IBM PC family	PC-DOS	Turbo Pascal	1.1a	88/04/15	CK	F	PC/386 & higher	SCO ODT	C	5A189	93/06/30
QK	C	IBM PC,XT,AT	PC-DOS	Turbo Pascal	3.1	88/12/14	CK	F	PC/386 & higher	SCO UNIX	C	5A189	93/06/30
QNX	C	IBM PC,XT,AT	QNX 1.x	C	1.0	85/09/23	CK	F	PC/386 & higher	Solaris	C	5A189	93/06/30
MS	A	IBM PC,XT,AT,jr	PC-DOS	MASM, C	3.13	93/07/08	CK	F	PC/386 & higher	UnixWare	C	5A189	93/06/30
MS	A	IBM PC family	MS Windows	MASM, C	3.13	93/07/08	UCP	C	Pecan	UCSD p-Sys	Pascal	1.1	90/08/05
WK	A	IBM PC family	MS Windows	Microsoft C	-	91/10/19	PER	D	PerkinElmer 3200	OS/32 MT72	Fortran	1.0	87/03/04
PIC	D	IBM PC/XT,AT	PICK	DATA/BASIC	0.3	89/08/21	CK	F	PerkinElmer 3200	Xelos SV	C	5A189	93/06/30
CK	F	IBM PS/2	AIX 1.2	C	5A189	93/06/30	PE7	D	PerkinElmer 7000	IDRIS	C	1.1 0	86/12/08
CK	F	IBM PS/2	OS/2 1.3	C	5A189	93/06/30	CP	A	PMC Micromate101	CPM80 2.2	LASM	4.11	91/04/23
CK	F	IBM PS/2	OS/2 2.00	C	5A189	93/06/30	PRI	D	Prime	PRIMOS R2x	PL/P	8.15	93/04/19
MS	A	IBM PS/2 Series	PC-DOS	MASM, C	3.13	93/07/08	CK	F	Pyramid 9810x(T)	OSx	C	5A189	93/06/30
CK	F	IBM RS/6000	AIX 3.x	C	5A189	93/06/30	CP	A	Rair Black Box	CPM80 2.2	LASM	4.11	91/04/23
CK	F	IBM RT PC	4.3BSDReno	C	5A189	93/06/30	CP	A	RM380ZF, ZM	CPM80 2.2	LASM	4.11	91/04/23
CK	F	IBM RT PC	ACIS 4.x	C	5A189	93/06/30	RM	C	RML 480Z	ROS 2.x	C	1.22	86/11/03
CK	F	IBM RT PC	AIX 2.x	C	5A189	93/06/30	RM	C	RML Nimbus	MS-DOS?	C	1.22	86/11/03
VME	D	ICL 2900	VME	S3	1.01	87/07/14	CP	A	Sanyo 1100 MBC	CPM80 2.2	LASM	4.11	91/04/23
CK	F	ICL DRS3000,6000	DRS/NX	C	5A189	93/06/30	MS	A	Sanyo 550 MBC	MS-DOS	MASM	2.30	88/05/16
CN8	C	ICL PC 2,Quattro	CCPM86	ASM86	2.9	87/05/17	CP	A	ScreenTyper	CPM80 2.2	LASM	4.11	91/04/23
PQ	C	ICL/Perq	Perq OS	Pascal	2.0	84/12/04	CK	F	Sequent	DYNIX	C	5A189	93/06/30
CK	F	Integr.Solu.VS8	ISI 4.2BSD	C	5A189	93/06/30	CK	F	Sequent	DYNIX/ptx	C	5A189	93/06/30
MS	A	Intel 300 Series	iRMX-286	MASM/ASM86	3.0	88/05/02	CK	F	Silicon Graphics	IRIX	C	5A189	93/06/30
CK	F	Intel 302	Bell Tech	C	5A189	93/06/30	QL2	C	Sinclair QL	QDOS	BCPL	-	87/05/15
RMX	C	Intel 86,286	RMX 1.0	PL/M	1.0	85/10/25	QLK	C	Sinclair QL	QDOS	C	1.10	87/05/15
I86	C	Intel 86/380	iRMX-86	PL/M	2.3	85/09/23	CK	F	Solbourne	OS/MP	C	5A189	93/06/30
IRM	C	Intel 86/380	iRMX-86	PL/M	2.41	87/03/04	CK	F	Sony NEWS	NEWS-OS	C	5A189	93/06/30
MD	C	Intel MDS	ISIS	PL/M	-	87/04/06	UN	D	Sperry 1100	Exec	Assembler	2.5	86/09/03
CK	F	Intergraph Clipper	CLIX	C	5A189	93/06/30	UN	D	Sperry 1100	Exec	NOSC Pascal	2.0	84/10/08
CP	A	Ithaca Intersys	CPM80 2.2	LASM	4.11	91/04/23	CK	F	Sperry 5000	UNIX SVR3	C	5A189	93/06/30
UCJ	C	J Loebli Magiscan2	UCSD p-Sys	UCSD Pascal	-	86/06/23	CK	F	Sperry 5000	UTS V	C	5A189	93/06/30
CP	A	Kaypro II	CPM80 2.2	LASM	4.11	91/04/23	SP9	D	Sperry 90/60	VS9	Assembler	-	86/04/09
CP	A	Kaypro 4	CPM80 2.2	LASM	4.11	91/04/23	CK	F	Stardent 1520	UNIX SVR3	C	5A189	93/06/30
M2	C	Lilith Worksta.	Medos	Modula-2	1.0	87/05/17	CK	F	Sun, all models	Solaris 1.2	C	5A189	93/06/30
LM	C	LMI Lispmachine	LMI-Lambda	ZETALISP	1.0	85/09/12	CK	F	Sun, all models	SunOS 3,4,5	C	5A189	93/06/30
CP	A	Lobo Max-80	CPM80 2.2	LASM	4.11	91/04/23	CP	A	Superbrain	CPM80 2.2	LASM	4.11	91/04/23
LUX	C	Luxor ABC-80	ABC-DOS	Z80 Asm	1.0	90/07/13	LM	C	Symbolics 36xx	Lisp	ZETALISP	1.0	85/09/12
LUX	C	Luxor ABC-80x	ABC-DOS	ABC-BASIC-II	4.11	90/07/13	TAN	D	Tandem Nonstop	Guardian	TAL	1.0	86/04/08
CK	F	Luxor ABC-9000	DNIX	C	5A189	93/06/30	TA1	C	Tandy 100	Tandy 100	BASIC	1984	90/10/07
MBF	D	MAI Basic Four	BOSS/VS	BASIC BB86	1.0	88/04/11	TA2	C	Tandy 2000	MS-DOS	MASM	1.20	84/02/16
CK	F	Masscomp	RTU 4.0+	C	5A189	93/06/30	CK	F	Tandy Model 16	Xenix 3.0	C	5A189	93/06/30
CP	A	Merlin M2215	CPM80 2.2	LASM	4.11	91/04/23	C86	C	Tektronix 4170	CPM86	ASM86	2.9	84/12/03
PIC	D	MicroDataREALITY	PICK	DATA/BASIC	0.3	89/08/21	CK	F	Tektronix 4xxx	UTek	C	5A189	93/06/30
CP	A	Micromint SB180	CPM80 2.2	LASM	4.11	91/04/23	CK	F	Tektronix 6130	UTek	C	5A189	93/06/30
CK	F	MIPS System	RISC/os	C	5A189	93/06/30	CK	F	Tektronix XD88	UTek	C	5A189	93/06/30
CK	F	Modcomp 9730	Real/IX	C	5A189	93/06/30	CP	A	Telecon Zorba	CPM80 2.2	LASM	4.11	91/04/23
MOD	D	Modcomp Classic	MAX IV	Fortran/ASM	A.0	87/01/26	CP	A	Teletex	CPM80 2.2	LASM	4.11	91/04/23
CK	F	Modcomp Realstar	Real/IX	C	5A189	93/06/30	UCT	C	Terak	UCSD p-Sys	UCSD Pascal	-	84/04/11
CP	A	MorrowDecisionI	CPM80 2.2	LASM	4.11	91/04/23	T19	D	TI 990	DX10	Pascal	1.0	87/07/10
CP	A	MorrowMicroDecl	CPM80 2.2	LASM	4.11	91/04/23	EXP	C	TI Explorer	LISP	Common Lisp	1.0	87/03/04
FL	C	Motorola 6809	Flex	Assembler	-	86/02/14	MS	A	TI Professional	MS-DOS	MASM	2.29	86/05/28
FL2	C	Motorola 6809	FLEX-09	C	3.0	87/03/04	CP	A	Torch Unicorn 5	CPM80 2.2	LASM	4.11	91/04/23
CK	F	Motorola Delta	SV/68 R3x	C	5A189	93/06/30	CK	F	Tri Star Flash	ESIX	C	5A189	93/06/30
CK	F	Motorola Delta	SV/88 R3.4	C	5A189	93/06/30	CO	C	TRS-80 CoCo	DOS	EDTASM	1.1	85/03/21
NCR	D	NCR 9800-4	VE4.0	C	4E 72	90/07/13	OS9	C	TRS-80 CoCo	OS-9	C	1.5	85/09/20
CP	A	NCR Decisionmate	CPM80 2.2	LASM	4.11	91/04/23	TRS	C	TRS-80 I and III	TRSDOS	M80	3.5	84/08/08
CK	F	NCR System 3000	UNIX SVR4	C	5A189	93/06/30	CP	A	TRS-80 Model II	CPM80 2.25	LASM	4.11	91/04/23
CK	F	NCR Tower 1632	UNIX SVR2	C	5A189	93/06/30	TR2	C	TRS-80 Model II	TRSDOS	Assembler	1.2	87/03/26
CK	F	NCR Tower 32	UNIX SVR3	C	5A189	93/06/30	CP	A	TRS-80 Model 4	CPM80 2.2	LASM	4.11	91/04/23
C86	C	NEC APC	CPM86	ASM86	2.9	84/12/03	M4	C	TRS-80 Model 4	TRSDOS	ASM	5.2	86/10/29
MS	A	NEC APC	MS-DOS	MASM	2.29	86/05/28	UM	C	UMicro U-MAN1000	CP/M-68K	C and Asm	-	86/04/10
MS	A	NEC APC III	MS-DOS	MASM	2.30	88/03/21	CK	F	UNISYS 5000	UNIX SVR3	C	5A189	93/06/30
MS	A	NEC PC9801	MS-DOS	MASM	3.10	91/04/18	CK	F	UNISYS 5000	UTS V	C	5A189	93/06/30
CK	F	NeXT	NeXT OS	C	5A189	93/06/30	UAS	D	UNISYS A-Series	MCS/AS	Algol	1.041	90/07/13
CK	F	Nixdorf Targon31	TOS	C	5A189	93/06/30	CP	A	UmicroSalesS100	CPM80 2.2	LASM	4.11	91/04/23
CP	A	Nokia MikroMikko	CPM80 2.2	LASM	4.11	91/04/23	PIC	D	VAX/Ultimate	PICK	DATA/BASIC	0.3	89/08/21
ND	D	Norsk Data 10...	SintranIII	ND-Pascal	3.1b	85/06/24	CP	A	Vector Graphics	CPM80 2.2	LASM	4.11	91/04/23
CK	F	Norsk Data 88/17	UNIX SV/88	C	5A189	93/06/30	C86	C	Victor/Sirius 1	CPM86	ASM86	2.9	86/07/07
CP	A	Northstar	CPM80 2.2	LASM	4.11	91/04/23	MS	A	Victor/Sirius 1	MS-DOS	MASM	3.13	93/07/08
CP	A	Ohio Scientific	CPM80 2.2	LASM	4.11	91/04/23	CP	A	Video Genie	CPM80 2.2	LASM	4.11	91/04/23
CK	F	OkiStation 7300	UNIX SVR4	C	5A189	93/06/30	MS	A	Wang PC, APC	MS-DOS	MASM	2.31	88/08/13
CK	F	Olivetti CP 486	UNIX SVR4	C	5A189	93/06/30	CP	A	Xerox 820	CPM80 2.2	LASM	4.11	91/04/23
CK	F	Olivetti LSX30xx	X/OS	C	5A189	93/06/30							

KERMIT DISTRIBUTION MEDIA

Kermit software is distributed by Columbia University on magnetic tape, tape cartridges, and certain diskette formats. Tapes and cartridges include all source code and supporting files in machine-readable form for each Kermit implementation, and in some cases also binaries (encoded in hex or other printable format). Diskettes have no source code except when noted on the order form.

Kermit software programs are collected on six reel-to-reel 9-track tapes: A, B, C, D, E, and F. The programs are assigned to tapes A–F as shown in the second column of the Kermit version list as follows: Tape A has the MS-DOS, CP/M-80, and Apple II versions. Tape B has the IBM mainframe and DEC PDP-11 versions. Tape F has C-Kermit. Tape C has other miscellaneous microcomputer, PC, and workstation versions. Tape D has other miscellaneous minicomputer and mainframe versions. Tape E contains machine-readable copies of the Kermit protocol manual, various other manuals, articles, the Info-Kermit Digest, newsletters, a character-set-aware text-to-PostScript printing utility, and tape utilities. Tapes and cartridges are available in these formats:

ANSI: ANSI labeled ASCII, format D (variable length records), blocksize 8192. 9-track, half-inch, reel-to-reel, 1600 bpi. Readable by many computer systems, including VAX/VMS.

TAR: UNIX TAR format, blocksize 10240, 9-track, 1600 bpi.

OS: IBM OS standard labeled EBCDIC, format VB (variable length records), blocksize 8192, 9-track, 1600 bpi, for MVS, CMS, and other mainframe systems. IBM VM/CMS users should order the OS format and use one of the included tape-reading programs to read the tape on a CMS system; printed instructions are included with the OS tape.

TK50: TK50 tape cartridge for the DEC MicroVAX or VAXstation. VMS BACKUP format. Also readable by TZ30, TK70, and compatible drives.

QIC: UNIX TAR-format quarter-inch tape cartridge. Readable on Sun computers, IBM RS/6000, SCO systems, and other UNIX systems equipped with QIC cartridge drives.

8MM: EXABYTE 8-millimeter cassette, UNIX TAR format.

Diskettes formats are 5.25-inch 360K and 3.5-inch 720K.

NEWS AND UPDATES

Our newsletter, *Kermit News*, is mailed periodically free of charge to all our Kermit customers to bring news of Kermit software releases and related developments. Ordering any Kermit material from us automatically adds you to the subscriber list. We do not have the resources to send automatic software updates. Use the order form to obtain new versions of the Kermit software, or call +1 212 854-3703 for inquiries.

TERMS AND CONDITIONS

The Kermit software—including source code—is furnished without warranty of any kind, and neither Columbia University, nor the individual authors or publishers, nor any institution that has contributed Kermit material, acknowledge any liability for any claims arising from the use of Kermit. Since source code is available, users may fix bugs and make improvements, and are encouraged to contribute their work back to Columbia for further distribution.

Kermit software may be ordered by private individuals, corporations, academic or government institutions, and other organizations for their own internal use, but the software may not be resold or otherwise redistributed to external clients, customers, or contractors without written permission of the Manager of Kermit Development and Distribution at Columbia University. Contact us for further information.

TO ORDER FROM COLUMBIA UNIVERSITY, fill out and return the enclosed order form. PREPAYMENT by credit card or check is encouraged; an additional ORDER PROCESSING FEE is required if we must send an invoice. Orders are shipped by delivery service or US mail, normally within 2–4 weeks of receipt, but firm delivery schedules or methods cannot be guaranteed. Prices are in US dollars and include shipping costs. When two prices are shown (like \$100 / \$135), the first price applies to the USA, Canada, and Mexico and the second price is for shipments to other countries (exception: if you can supply with your Federal Express account number, then pay the first price). Rush service is available for an extra fee. Call +1 212 854-3703 for additional ordering information. Telephone and Fax orders are accepted if payment is by Master Card or Visa. Use the order form for Fax orders, and, for payment by credit card, be sure to include your signature.

Prices, terms, and items are subject to change. If this form is dated more than 6 months prior, please contact us for new information. Please order carefully since we CANNOT refund or exchange items. Prices are in US dollars (\$), first price for North America / second price for shipping outside North America (unless you pay shipping).

9-TRACK MAGNETIC TAPE. Price: \$100 / \$135 per tape:

	ANSI	TAR	OS		ANSI	TAR	OS		ANSI	TAR	OS
Tape A:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Tape C:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Tape E:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tape B:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Tape D:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Order C-Kermit below ...</i>			

9-TRACK TAPE SUBTOTAL \$ _____

TAPE CARTRIDGES. Price: \$150 / \$185. 8MM QIC TK50

Contents of Tapes A, B, and E:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Contents of Tapes C, D and E:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Order C-Kermit below ...</i>

TAPE CARTRIDGE SUBTOTAL \$ _____

MS-DOS KERMIT

 IBM PC/PS2 MS-DOS Kermit software with book *Using MS-DOS Kermit*, \$34.95 / \$45:

☐ 5.25-inch ☐ 3.5-inch: \$ _____

IBM PC/PS2 MS-DOS Kermit utilities: \$35 / \$40:

☐ 5.25-inch ☐ 3.5-inch: \$ _____

MS-DOS IBM PC/PS2 Kermit source code, \$60 / \$68:

☐ 5.25-inch ☐ 3.5-inch: \$ _____

Crynwr (formerly Clarkson) packet drivers for the IBM PC family on DOS diskettes:

 Binaries and Docs, \$35 / \$40: ☐ 5.25-inch ☐ 3.5-inch \$ _____

 Source Code, \$60 / \$68: ☐ 5.25-inch ☐ 3.5-inch \$ _____

C-KERMIT 5A (Tape F), includes book *Using C-Kermit*:

☐ 9-Track Tape, \$135 / \$170, Format: ☐ ANSI, ☐ TAR \$ _____

☐ TK50 cartridge, DEC VMS / OpenVMS BACKUP format, \$185 / \$220 \$ _____

☐ Quarter-Inch Cartridge (QIC), UNIX tar format, \$185 / \$220 \$ _____

☐ 8mm EXABYTE cartridge, UNIX tar format, \$185 / \$220 \$ _____

☐ Source code on DOS-format diskettes, \$100 / \$115: ☐ 3.5-inch, ☐ 5.25-inch: \$ _____

 Binaries on DOS-format diskettes, *Using C-Kermit* book included, \$45 / \$50 each:

3.5" 5.25"

☐ ☐ C-Kermit for OS/2 1.xx, 16-bit \$ _____

☐ ☐ C-Kermit for OS/2 2.00, 32-bit \$ _____

☐ ☐ C-Kermit for OS-9/68000 \$ _____

☐ ☐ C-Kermit for Commodore Amiga \$ _____

☐ ☐ C-Kermit for Atari ST \$ _____

MACINTOSH KERMIT
☐ *Mac Kermit* 0.9(40) 1988 release, 3.5-inch, \$25 / \$30 \$ _____

☐ *Mac Kermit* 0.99(???) latest prerelease, 3.5-inch, \$25 / \$30 \$ _____

LITERATURE
☐ Book: *Kermit, A File Transfer Protocol*: \$29.95 / \$35 \$ _____

☐ Book: *Using C-Kermit* (without software): \$34.95 / \$45 \$ _____

☐ Book: *Using MS-DOS Kermit*: \$34.95 / \$45 \$ _____

☐ Technical paper, Recent Kermit Protocol Extensions: \$15 / \$25 \$ _____

Printed, paginated, indexed Kermit Digest volumes, \$15 / \$25 per year:

☐ This year ☐ Last 2 years

☐ Last 3 years ☐ Last 4 years \$ _____

Manuals for Kermit programs: \$10 / \$13 each:

☐ IBM 370 ☐ Apple II ☐ PDP-11 ☐ CP/M-80 \$ _____

SIDE 1 SUBTOTAL (please complete side 2 also) \$ _____

Shipping by UPS or post is included in the price. Please do not add sales tax.

SUBTOTAL from Side 1: \$ _____

☐ Voluntary tax-deductible donation (*help support the Kermit effort*): \$ _____

USA, CANADA, AND MEXICO ONLY:

☐ For PRIORITY HANDLING and NEXT-DAY SHIPMENT, add \$30: \$ _____

A. TOTAL MATERIALS, DONATION, AND SHIPPING: \$ _____

Please complete ONE of the numbered sections ① **OR** ② **OR** ③, and then fill in your shipping information.

① PAYMENT BY CREDIT CARD

☐ MasterCard ☐ Visa AMOUNT OF YOUR PAYMENT (Line A above): \$ _____

Card Number _____ Expiration Date _____

Signature _____ Today's Date _____

② PREPAYMENT BY CHECK

Please enclose a check for the total amount, *payable in US dollars*. PLEASE DO NOT MAKE ELECTRONIC BANK TRANSFERS OR SEND INTERNATIONAL POSTAL COUPONS. Make your check payable to:

Columbia University Kermit Distribution

If your check is *not* drawn on a US bank, please add a \$35 check-cashing fee: \$ _____

TOTAL AMOUNT OF YOUR CHECK: \$ _____

③ PURCHASE ORDERS, NO CHECK, WE INVOICE YOU

B. Amount from Line A above: \$ _____

C. Add \$25 order processing (invoicing) fee: \$ _____

D. If your check will *not* be drawn on a US bank, add \$35 check-cashing fee: \$ _____

TOTAL, Lines B, C, and D. Please enclose your purchase order for this amount: \$ _____

SHIPPING INFORMATION (Do not use Post Office Box for UPS or Federal Express):

Name: _____ Organization: _____

Address: _____

City: _____ State or Province: _____ Zip or Postal Code: _____

Country: _____ Phone: _____

☐ To charge *your* Federal Express account, please provide account number and authorized signature:

Federal Express Account Number _____

Signature _____

MAIL YOUR COMPLETED ORDER FORM TO:

Kermit Distribution, Department OP
Columbia University Academic Information Systems
612 West 115th Street
New York, NY 10025-7721 USA

Phone: +1 212 854-3703, FAX: +1 212 663-8202, E-Mail: kermit@columbia.edu. Sorry, we can't respond by FAX.

Thank you!