

**PrtBase**

COLLABORATORS

	TITLE : PrtBase		
ACTION	NAME	DATE	SIGNATURE
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REVISION HISTORY

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# Chapter 1

## PrtBase

### 1.1 PrtBase

Konstanten

bgr	bgrWb	bgrw
bufSize	bw	bwAlpha
bwGfx	colorAlpha	colorGfx
oldStkSize	safeSize	stkSize
wb	ymc	ymcBw
ymcb		

Typ-Deklarationen

ColorClass	ColorClassSet	DeviceData
DeviceDataPtr	PrinterClass	PrinterClassSet
PrinterData	PrinterDataPtr	↔
PrinterExtendedData		
PrinterExtendedDataPtr	PrinterSegment	PrinterSegmentPtr
StrPtr		

### 1.2 TMP:Modula-2/PrtBase.def

```
DEFINITION MODULE PrtBase; (*$Implementation:=FALSE*)
(* 16-May-1992/cn *)
```

```
FROM SYSTEM IMPORT ADDRESS, BPTR, BYTE;
```

```
FROM ExecD IMPORT
  Device , ExecBasePtr , Library , MsgPort , Task ;
```

```
FROM IntuitionD IMPORT
  Preferences ;
```

```
FROM Parallel IMPORT
  IOParallel ;
```

```
FROM Serial IMPORT
```

```

    IOSerial ;

FROM Timer IMPORT
    IOTimer ;

TYPE
    StrPtr =ADDRESS;

    DeviceData =RECORD
        device: Device ;
        segment:BPTR;
        execBase: ExecBasePtr ;
        cmdVectors:ADDRESS;
        cmdBytes:ADDRESS;
        numCommands:CARDINAL;
    END;
    DeviceDataPtr =POINTER TO DeviceData ;

TYPE
    PrinterClass =(gfx,color);
    PrinterClassSet =SET OF PrinterClass ;

CONST
    bwAlpha= PrinterClassSet {};
    bwGfx= PrinterClassSet {gfx};
    colorAlpha= PrinterClassSet {color};
    colorGfx= PrinterClassSet {gfx,color};

TYPE
    ColorClass =(blackAndWhite,colors,fourColor,additive,multipass);
    ColorClassSet =SET OF ColorClass ;

CONST
    bw= ColorClassSet {blackAndWhite};
    ymc= ColorClassSet {colors};
    ymcBw= ColorClassSet {blackAndWhite,colors};
    ymcb= ColorClassSet {fourColor};
    wb= ColorClassSet {blackAndWhite,additive};
    bgr= ColorClassSet {colors,additive};
    bgrWb= ColorClassSet {blackAndWhite,colors,additive};
    bgrw= ColorClassSet {fourColor,additive};

    oldStkSize=0800H;
    (*36*)stkSize=1000H;
    bufSize=256;
    safeSize=128;

TYPE
    PrinterExtendedData =RECORD
        printerName: StrPtr ;
        init:PROC;
        expunge:PROC;
        open:PROCEDURE():INTEGER;
        close:PROC;
        printerClass: PrinterClassSet ;
        colorClass: ColorClassSet ;
        maxColumns:SHORTCARD;

```

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```

numCharSets:SHORTCARD;
numRows:CARDINAL;
maxXDots:LONGCARD;
maxYDots:LONGCARD;
xDotsInch:CARDINAL;
yDotsInch:CARDINAL;
commands:ADDRESS;
doSpecial:PROCEDURE():LONGINT;
render:PROCEDURE():LONGINT;
timeoutSecs:LONGINT;
eightBitChars:ADDRESS;
printMode:LONGINT;
(*34*) convFunc:PROCEDURE():LONGINT;
END;
PrinterExtendedDataPtr =POINTER TO PrinterExtendedData ;

PrinterSegment =RECORD
nextSegment:BPTR;
runAlert:LONGCARD;
version:CARDINAL;
revision:CARDINAL;
ped: PrinterExtendedData ;
END;
PrinterSegmentPtr =POINTER TO PrinterSegment ;

PrinterData =RECORD
device: DeviceData ;
unit: MsgPort ;
printerSegment:BPTR;
printerType:CARDINAL;
segmentData: PrinterSegmentPtr ;
printBuf:ADDRESS;
pWrite:PROCEDURE():INTEGER;
pBothReady:PROCEDURE():INTEGER;
CASE :INTEGER OF
|1: p0: IOParallel ;
    p1: IOParallel ;
|2: s0: IOSerial ;
    s1: IOSerial ;
END;
tior: IOTimer ;
iorPort: MsgPort ;
tc: Task ;
oldStk:ARRAY [0..oldStkSize-1] OF BYTE;
flags:SHORTCARD;
pad:BYTE;
preferences: Preferences ;
pWaitEnabled:SHORTCARD;
(*36*) flags1:SHORTCARD;
(*36*) stk:ARRAY[0..stkSize-1] OF BYTE;
END;
PrinterDataPtr =POINTER TO PrinterData ;

END PrtBase.noimp

```

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