C256 Foenix Kernel Programmer's Manual

PJW

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About the Kernel

Kernel Jumptable

BOOT	0x001000	Cold boot routine
RESTORE	0x001004	Warm boot routine
BREAK	0x001008	End program and return to command prompt
READY	0x00100C	Print prompt and wait for keyboard input
SCINIT	0x001010	
IOINIT	0x001014	
PUTC	0x001018	Print a character to the currently selected channel
PUTS	0x00101C	Print a string to the currently selected channel
PUTB	0x001020	Output a byte to the currently selected channel
PUTBLOCK	0x001024	Ouput a binary block to the currently selected channel
SETLFS	0x001028	Obsolete (done in OPEN)
SETNAM	0x00102C	Obsolete (done in OPEN)
OPEN	0x001030	Open a channel for reading and/or writing. Use SETLFS and SETNAM to set the channels and filename first.
CLOSE	0x001034	Close a channel
SETIN	0x001038	Set the current input channel
SETOUT	0x00103C	Set the current output channel
GETB	0x001040	Get a byte from input channel. Return 0 if no input. Carry is set if no input.
GETBLOCK	0x001044	Get a X byes from input channel. If Carry is set, wait. If Carry is clear, do not wait.
GETCH	0x001048	Get a character from the input channel. A=0 and Carry=1 if no data is wating
GETCHW	0x00104C	Get a character from the input channel. Waits until data received. A=0 and Carry=1 if no data is wating
GETCHE	0x001050	Get a character from the input channel and echo to the screen. Wait if data is not ready.
GETS	0x001054	Get a string from the input channel. NULL terminates
GETLINE	0x001058	Get a line of text from input channel. CR or NULL terminates.
GETFIELD	0x00105C	Get a field from the input channel. Value in A, CR, or NULL terminates
TRIM	0x001060	Removes spaces at beginning and end of string.
PRINTC	0x001064	Print character to screen. Handles terminal commands
PRINTS	0x001068	Print string to screen. Handles terminal commands
PRINTCR	0x00106C	Print Carriage Return
PRINTF	0x001070	Print a float value
PRINTI	0x001074	Prints integer value in TEMP
PRINTH	0x001078	Print Hex value in DP variable
PRINTAI	0x00107C	Prints integer value in A
PRINTAH	0x001080	Prints hex value in A. Printed value is 2 wide if M flag is 1, 4 wide if M is 0
LOCATE	0x001084	
PUSHKEY	0x001088	
PUSHKEYS	0x00108C	
CSRRIGHT	0x001090	
CSRLEFT	0x001094	
CSRUP	0x001098	
CSRDOWN	0x00109C	
CSRHOME	0x0010A0	
SCROLLUP	0x0010A4	Scroll the screen up one line. Creates an empty line at the bottom.
CLRSCREEN	0x0010A8	Clear the screen
INITCHLUT	0x0010AC	Init character look-up table
INITSUPERIO	0x0010B0	Init Super-IO chip
INITKEYBOARD	0x0010B4	Init keyboard

Character Operations

File Operations

Interrupt Support

Bank 0 Memory