

TEKNOR INDUSTRIAL COMPUTERS, INC.
VIPER 805

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USER CONFIGURABLE SETTINGS		
Function	Label	Position
í IOCHRDY signal to IDE interface disabled	W11	Open
IOCHRDY signal to IDE interface enabled	W11	Closed
í BIOS boot select normal boot	W16	Open
BIOS boot select emergency boot	W16	Closed
í Watchdog timer enabled	W17	Closed
Watchdog timer disabled	W17	Open
í Power fail monitoring disabled	W18	Open
Power fail monitoring enabled	W18	Closed
í Battery type select internal	W19	Pins 1 & 2 closed
Battery type select external	W19	Pins 2 & 3 closed
í Power failure detection source external power fail (pin 6 on J9)	W20	Pins 1 & 2 closed
Power failure detection source internal/external battery <3v	W20	Pins 2 & 3 closed

SIMM CONFIGURATION		
Size	Bank 0	Bank 1
1MB	(1) 256K x 36	None
2MB	(1) 256K x 36	(1) 256K x 36
3MB	(1) 512K x 36	(1) 256K x 36
4MB	(1) 1M x 36	None
4MB	(1) 512K x 36	(1) 512K x 36
8MB	(1) 2M x 36	None
8MB	(1) 1M x 36	(1) 1M x 36
12MB	(1) 2M x 36	(1) 1M x 36
16MB	(1) 4M x 36	None
16MB	(1) 2M x 36	(1) 2M x 36
32MB	(1) 8M x 36	None
48MB	(1) 8M x 36	(1) 4M x 36
64MB	(1) 8M x 36	(1) 8M x 36

Note: Memory installed in Banks 0 & 1 is interchangeable.

SOLID STATE DISK CONFIGURATION
Note: To increase the size of the SSD, install upgrade in U23.

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CPU SPEED SELECTION	
Speed	W15
25MHz	Pins 3 & 4 closed
33MHz	Pins 1 & 2 closed
40MHz	Open
50iMHz	Pins 3 & 4 closed
66iMHz	Pins 1 & 2 closed
75iMHz	Pins 3 & 4 closed
100iMHz	Pins 1 & 2 closed
133iMHz	Pins 1 & 2 closed

CPU TYPE SELECTION				
Type	W5A	W6A	W7A	W12
80486DX	Open	Pins 1 & 2 closed	Pins 1 & 2 closed	Open
SGS486DX2V 2x (WB)	Closed	Pins 2 & 3 closed	Pins 2 & 3 closed	Closed
SGS486DX2V 2x (WT)	Open	Pins 1 & 2 closed	Pins 1 & 2 closed	Closed
AM486DX2SV 2x (WB)	Closed	Pins 2 & 3 closed	Pins 2 & 3 closed	Closed
AM486DX2SV 2x (WT)	Open	Pins 1 & 2 closed	Pins 1 & 2 closed	Closed
80486DX2	Open	Pins 1 & 2 closed	Pins 1 & 2 closed	Open
SGS486DX4V 3x (WB)	Closed	Pins 2 & 3 closed	Pins 2 & 3 closed	Open
SGS486DX4V 3x (WT)	Open	Pins 1 & 2 closed	Pins 1 & 2 closed	Open
AM486DX4SV 2x (WB)	Closed	Pins 2 & 3 closed	Pins 2 & 3 closed	Closed
AM486DX4SV 2x (WT)	Open	Pins 1 & 2 closed	Pins 1 & 2 closed	Closed
AM486DX4SV 3x (WB)	Closed	Pins 2 & 3 closed	Pins 2 & 3 closed	Open
AM486DX4SV 3x (WT)	Open	Pins 1 & 2 closed	Pins 1 & 2 closed	Open
80486DX4 2x (WB)	Closed	Pins 2 & 3 closed	Pins 2 & 3 closed	Closed
80486DX4 2x (WT)	Open	Pins 1 & 2 closed	Pins 1 & 2 closed	Closed
80486DX4 3x (WB)	Closed	Pins 2 & 3 closed	Pins 2 & 3 closed	Open
80486DX4 3x (WT)	Open	Pins 1 & 2 closed	Pins 1 & 2 closed	Open
AM X5-133 3x (WB)	Closed	Pins 2 & 3 closed	Pins 2 & 3 closed	Open
AM X5-133 3x (WT)	Open	Pins 1 & 2 closed	Pins 1 & 2 closed	Open
AM X5-133 4x (WB)	Closed	Pins 2 & 3 closed	Pins 2 & 3 closed	Closed
AM X5-133 4x (WT)	Open	Pins 1 & 2 closed	Pins 1 & 2 closed	Closed

CPU VOLTAGE SELECTION	
Voltage	W3
3.3v	Open
5v	Closed

SERIAL PORT 2 LOOPBACK SELECTION		
Setting	W5	W6
Normal	Open	Open
Loopback	Closed	Closed

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SERIAL PORT 2 SELECTION					
Setting	W4	W7	W8	W9	W10
í RS-232	Open	1 & 2	1 & 2	1 & 2	1 & 2
RS-485	Closed	2 & 3	2 & 3	2 & 3	2 & 3

FLOPPY DRIVE EDOUT SELECTION	
Setting	W2
í Left to software	Open
Ground to pin 17 on J2	Pins 2 & 4 closed
Ground to pin 29 on J2	Pins 3 & 4 closed
EDOUT to pin 29 on J2	Pins 1 & 3 closed
EDOUT to pin 17 on J2	Pins 1 & 2 closed

FLOPPY DRIVE HDOUT SELECTION	
Setting	W1
í Left to software	Open
Ground to pin 27 on J2	Pins 2 & 4 closed
Ground to pin 33 on J2	Pins 3 & 4 closed
HDOUT to pin 33 on J2	Pins 1 & 3 closed
HDOUT to pin 27 on J2	Pins 1 & 2 closed

BASE I/O SELECTION	
Address	W13
í 190H	Pins 1 & 2, 3 & 4 closed
290H	Pins 1 & 2 closed
390H	Pins 3 & 4 closed
390H	Open

EXTENDED BIOS MODE SELECTION	
Setting	W14
VT100	Pins 3 & 4 closed
Serial download	Pins 1 & 2 closed
í Standard mode	Pins 3 & 4 closed
í Normal mode	Pins 1 & 2 closed