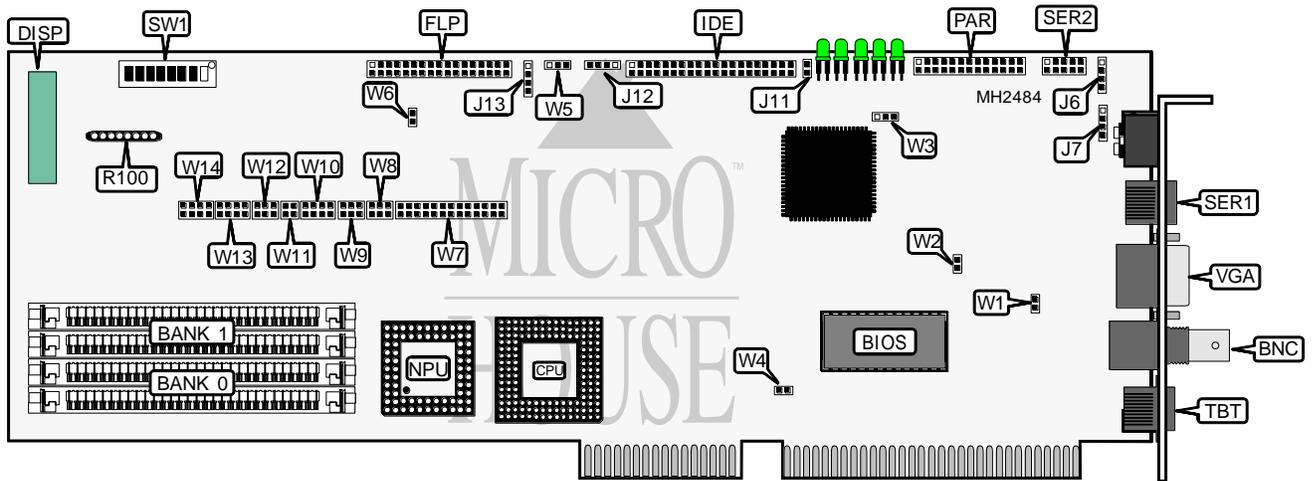


EVERGREEN SYSTEMS, INC.

CAPSERVER MODELS 325E, 425, 440E

Processor	AM386SX/CX486SLC/80386SX/TI486SXLC2
Processor Speed	25/40MHz
Chip Set	Unidentified
Max. Onboard DRAM	16MB
Cache	None
BIOS	Unidentified
Dimensions	Unidentified
I/O Options	10-baseT Ethernet connector, floppy drive interface, IDE interface, parallel port, proprietary display connector, serial ports (2), thin Ethernet connector, VGA port
NPU Options	80387SX



CONNECTIONS			
Purpose	Location	Purpose	Location
Thin Ethernet connector	BNC	Speaker	J12
Proprietary display/CAPLink	DISP	External battery	J13
Floppy drive interface	FLP	Parallel port	PAR
IDE interface	IDE	Serial port 1 (10-pin modular)	SER1
Keylock	J6	Serial port 2	SER2
Alternate keyboard	J7	Ethernet 10BaseT connector	TBT
Reset switch	J11	VGA port	VGA

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USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í Onboard VGA controller enabled	W1	Closed
Onboard VGA controller disabled	W1	Open
í VGA IRQ9 disabled	W2	Open
VGA IRQ9 enabled	W2	Closed
í Ethernet select 10BaseT	W3	pins 1 & 2 closed
Ethernet select thin	W3	pins 2 & 3 closed
í AT bus disabled (Capcard only receives DC from backplane)	W4	Open
AT bus enabled (Capcard may drive peripheral cards)	W4	Closed
í IDE interrupt select edge triggered	W5	pins 1 & 2 closed
IDE interrupt select level triggered	W5	pins 2 & 3 closed
í Floppy drive IRQ6 enabled	W6	Closed
Floppy drive IRQ6 disabled	W6	Open

Note: Only one card in a segment can have W4 closed. Damage will result otherwise. See Below.

DRAM CONFIGURATION TABLE		
Size	Bank 0	Bank 1
2MB	(2) 1M x 9	NONE
4MB	(2) 1M x 9	(2) 1M x 9
10MB	(2) 1M x 9	(2) 4M x 9
16MB	(2) 4M x 9	(2) 4M x 9

CAPCARD ID CONFIGURATION					
ID#	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5
1	Off	Off	Off	Off	On
2	Off	Off	Off	On	Off
3	Off	Off	Off	On	On
4	Off	Off	On	Off	Off
5	Off	Off	On	Off	On
6	Off	Off	On	On	Off
7	Off	Off	On	On	On
8	Off	On	Off	Off	Off
9	Off	On	Off	Off	On
10	Off	On	Off	On	Off
11	Off	On	Off	On	On
12	Off	On	On	Off	Off
13	Off	On	On	Off	On
14	Off	On	On	On	Off
15	Off	On	On	On	On
16	On	Off	Off	Off	Off
17	On	Off	Off	Off	On
18	On	Off	Off	On	Off
19	On	Off	Off	On	On
20	On	Off	On	Off	Off
21	On	Off	On	Off	On
22	On	Off	On	On	Off
23	On	Off	On	On	On

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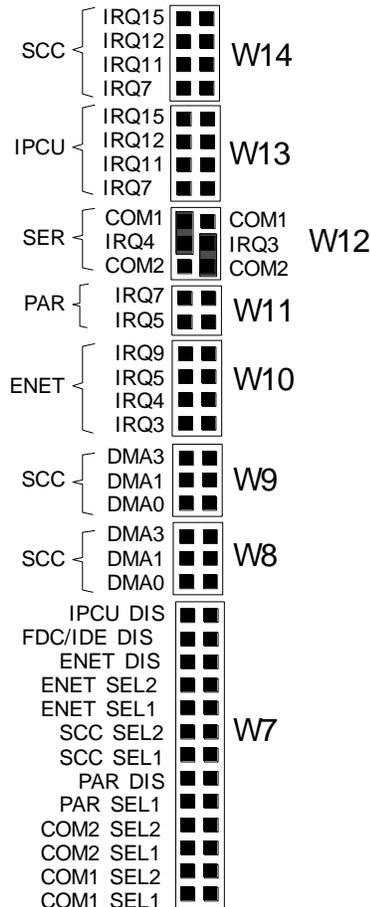
CAPSERVER MODELS 325E, 425, 440E

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CAPCARD ID CONFIGURATION					
ID#	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5
24	On	On	Off	Off	Off
25	On	On	Off	Off	On
26	On	On	Off	On	Off
27	On	On	Off	On	On
28	On	On	On	Off	Off
29	On	On	On	Off	On
30	On	On	On	On	Off

Note: Capcard ID's are necessary for the card to distinguish between cards. #1 is considered the server.

RESTORING FACTORY DEFAULTS			
Setting	SW1/6	SW1/7	SW1/8
Normal operation	Off	Off	Off
Restore defaults boot from 1.44MB A:	On	Off	Off
Restore defaults boot from 40MB C:	Off	On	Off
Restore defaults boot from Novell network	Off	Off	On
Suppress EEPROM override and use CMOS	Off	On	On



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USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í Interprocessor Communications Unit enabled	W7/IPCU DIS	Open
Interprocessor Communications Unit disabled	W7/IPCU DIS	Closed
í Onboard drive controllers enabled	W7/FDCIDE DIS	Open
Onboard drive controllers disabled	W7/FDCIDE DIS	Closed
í Factory configured - do not alter	W7/SCC SEL2	Open
í Factory configured - do not alter	W7/SCC SEL1	Open
í Factory configured - do not alter	W8/ all	Open
í Factory configured - do not alter	W9/ all	Open
í Factory configured - do not alter	W14/ all	Open

PRIMARY SERIAL PORT CONFIGURATION		
Port address	W7/COM1 SEL1	W7/COM1 SEL2
COM1	Open	Open
COM2	Closed	Open
COM3	Open	Closed
Disabled	Closed	Closed

SECONDARY SERIAL PORT CONFIGURATION		
Port address	W7/COM2 SEL1	W7/COM2 SEL2
COM1	Open	Open
COM2	Closed	Open
COM3	Open	Closed
Disabled	Closed	Closed

PARALLEL PORT CONFIGURATION		
Port address	W7/PAR SEL1	W7/PAR DIS
LPT1	Open	Open
LPT2	Closed	Open
Disabled	Open	Closed

ENET ADDRESS CONFIGURATION			
Address	W7/ENET SEL1	W7/ENET SEL2	W7/ENET DIS
300h	Open	Open	Open
320h	Closed	Open	Open
340h	Open	Closed	Open
360h	Closed	Closed	Open
Disabled	Open	Open	Closed

ENET INTERRUPT CONFIGURATION				
Interrupt	W10/IRQ3	W10/IRQ4	W10/IRQ5	W10/IRQ9
IRQ3	Closed	Open	Open	Open
IRQ4	Open	Closed	Open	Open
IRQ5	Open	Open	Closed	Open
IRQ9	Open	Open	Open	Closed

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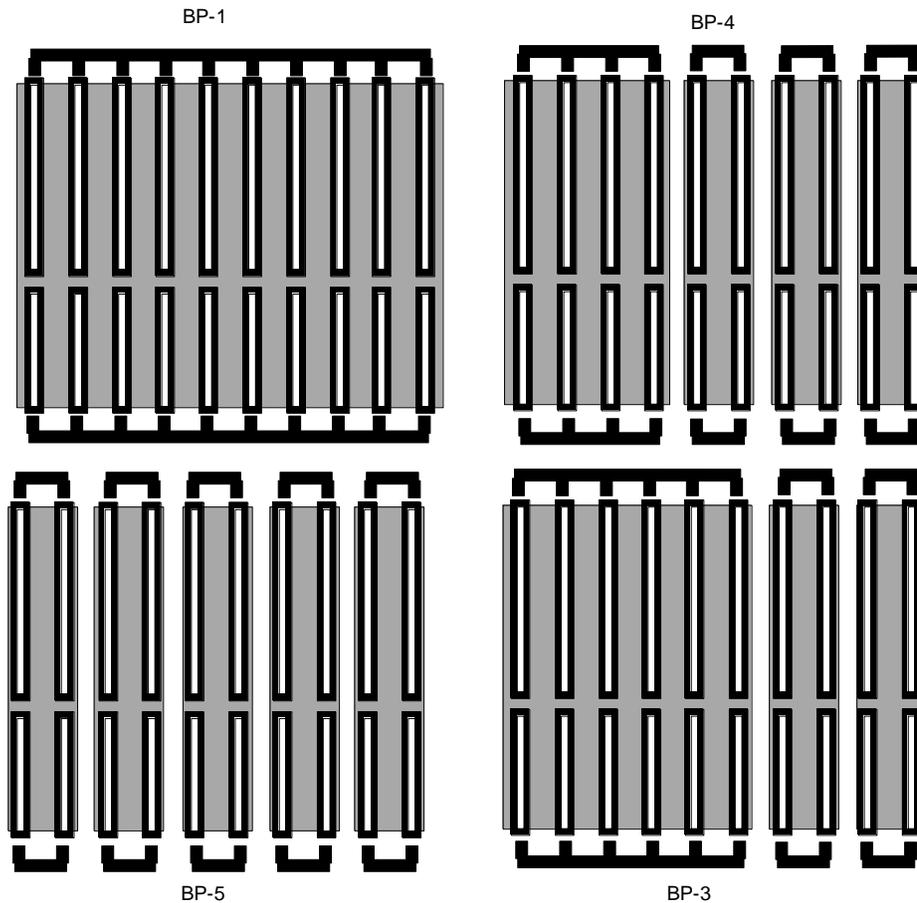
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PARALLEL PORT INTERRUPT CONFIGURATION		
Interrupt	W11/IRQ5	W11/IRQ7
IRQ5	Closed	Open
IRQ7	Open	Closed
Disabled	Open	Open

SERIAL PORT INTERRUPT CONFIGURATION		
Port	W12/IRQ3	W12/ IRQ4
COM1	pins COM1 & IRQ3 closed	pins COM1 & IRQ4 closed
COM2	pins COM2 & IRQ3 closed	pins COM2 & IRQ3 closed

Note: Names represent pins in diagram. The diagram shows COM1 at IRQ4 and COM2 at IRQ3.

IPCU INTERRUPT CONFIGURATION				
Interrupt	W13/IRQ7	W13/IRQ11	W13/IRQ12	W13/IRQ15
IRQ7	Closed	Open	Open	Open
IRQ11	Open	Closed	Open	Open
IRQ12	Open	Open	Closed	Open
IRQ15	Open	Open	Open	Closed



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WARNING

**ONLY ONE CARD IN A GIVEN SEGMENT OF THE ABOVE BACKPLANES MAY HAVE ITS AT BUS
JUMPER INSTALLED AT W4.
IF MORE THEN ONE CARD HAS W4 INSTALLED DAMAGE WILL OCCUR.**

TERMINATING RESISTOR CONFIGURATION

Setting	R100
First and last CAPcards in CAPserver	Installed
All other cards in CAPserver	Not installed