SCIENTIFIC MICRO SYSTEMS OMTI 8620, OMTI 8627

Data bus:

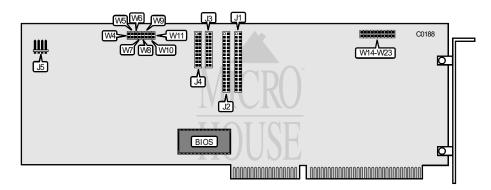
16-bit, ISA Full-length, full-height card Size:

OMTI 8620:Two MFM ST506/ST412 drives or ESDI drives Hard drives supported: OMTI 8627:Two RLL ST506/ST412 or ESDI drives

Two 360KB, 720KB, 1.2MB, 1.44MB drives Floppy drives supported:

Sector interleave:

Maximum heads/cyl.: 16 heads and 2048 cylinders



CONNECTIONS				
Function	Location			
34-pin control cable connecter-floppy drive	J1			
34-pin control cable connecter-hard drive	J2			
20-pin data cable connecter-drive 0	J3			
20-pin data cable connecter-drive 1	J4			
4-pin connecter-drive active LED	J5			

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SCIENTIFIC MICRO SYSTEMS OMTI 8620, OMTI 8627

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USER CONFIGURABLE SETTINGS					
	Function	Location	Setting		
ĺ	Drive 1 set for fixed media drive	W4	open		
	Drive 1 set for removable media drive	W4	closed		
ĺ	Drive 1 set for ST506 drive	W5	open		
	Drive 1 set for ESDI drive	W5	closed		
ĺ	Drive 1 soft sectored	W6	open		
	Drive 1 hard sectored	W6	closed		
ĺ	Drive 0 set for fixed media drive	W7	open		
	Drive 0 set for removable media drive	W7	closed		
ĺ	Drive 0 set for ST506 drive	W8	open		
	Drive 0 set for ESDI drive	W8	closed		
ĺ	Drive 0 soft sectored	W9	open		
	Drive 0 hard sectored	W9	closed		
	If the drive on CN3 is a ESDI drive this trace must be cut	W12	open		
	If the drive on CN4 is a ESDI drive this trace must be cut	W13	open		
ĺ	Floppy drive port address is 3F0-3F7	W14	open		
	Floppy drive port address is 370-377	W14	closed		
ĺ	BIOS base address is C8000h	W15	open		
	BIOS base address is CA000h	W15	closed		
ĺ	BIOS enabled	W16	open		
	BIOS disabled	W16	closed		
ĺ	. actory cominguing and more anton	W20	N/A		
ĺ	I/O speed set to high performance string mode	W21	open		
	I/O speed set to loop	W21	closed		
ĺ	If BIOS is #1002661, then drive 0 parameters are set to 4	W22	open		
	hds. and 612 cyl. If BIOS is #1002662, then drive 0				
L.	parameter are set to 4 hds. and 615 cyl.	11122			
Ļ	Factory configured - do not alter	W22	closed		
ľ	If BIOS is #1002661, then drive 1 parameters are set to 4	W23	open		
	hds. and 612 cyl.lf BIOS is #1002662, then drive 1				
ŕ	parameter are set to 4 hds. and 615 cyl. Factory configured - do not alter	W23	closed		
ட்	i actory configured - do not alter	V V Z J	GOSEU		

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SCIENTIFIC MICRO SYSTEMS OMTI 8620, OMTI 8627

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	SECTOR CONFIGURATION						
Jumper W10	Jumper W11	BPS (ST506 only)	SPT- 8620	SPT- 8627			
open	open	512	17	26			
open	closed	512	17	26			
closed	open	1024	18	26			
closed	closed	1056	9	13			

I/O PORT ADDRESS					
Address	Jumper W17	Jumper W18	Jumper W19		
320h	open	open	open		
324h	open	open	closed		
328h	open	closed	open		
32Ch	open	closed	closed		
1A0h	closed	open	open		
1A4h	closed	open	closed		
1A8h	closed	closed	open		
1ACh	closed	closed	closed		

DRIVE TYPE CONFIGURATION - #1002579					
DRIVE 0		DRIVE 2			
W20	W21	W22	W23	Cyl.	Hds.
closed	closed	closed	closed	ESDI	ESDI
open	closed	open	closed	987	7
closed	open	closed	open	918	15
open	open	open	open	612	4

DRIVE TYPE CONFIGURATION - #1002578						
DRIVE 0		DRIVE 2				
W20	W21	W22	W23	Cyl.	Hds.	
closed	closed	closed	closed	ESDI	ESDI	
open	closed	open	closed	820	6	
closed	open	closed	open	1024	9	
open	open	open	open	615	4	

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