TECHNOLAND, INC.
OMNI 300-1S, OMNI 300-4S

Device Type	Single board computer
Processor	80386SX
Processor Speed	25/33/40MHz
Chip Set	ALI
Video Chip Set	None
Maximum Onboard Memory	20MB
Maximum Video Memory	None
Cache	None
BIOS	Award
Dimensions	185mm x 122mm
I/O Options	Floppy drive interface, IDE interface, SCSI interface, parallel port, serial ports (2), PC/104 connectors (2)
NPU Options	None
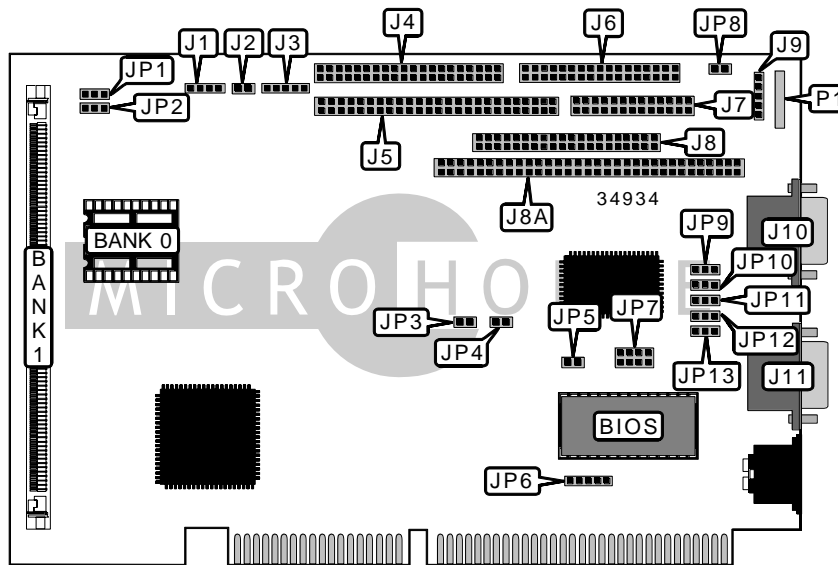
TECHNOLAND, INC.
OMNI 300-1S, OMNI 300-4S

CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
Speaker	J1	PC/104 connector (16-bit)	J8
Reset switch	J2	PC/104 connector (8-bit)	J8A
Power LED & keylock	J3	Auxiliary keyboard connector	J9
IDE interface	J4	Serial port 2	J10
SCSI interface	J5	Serial port 1	J11
Floppy drive interface	J6	IDE interface LED	JP8
Parallel port	J7	Power connector	P1

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
í CMOS memory normal operation	JP3	Open
CMOS memory clear	JP3	Closed
í WDT port address select port F2	JP4	Closed
WDT port address select port F6	JP4	Open
í On board I/O enabled	JP5	Open
On board I/O disabled	JP5	Closed

SIMM CONFIGURATION		
Size	**Bank 0**	**Bank 1**
1MB	(2) 256K x 16	None
3MB	(2) 256K x 16	(1) 512K x 36
4MB	(2) 1M x 16	None
5MB	(2) 256K x 16	(1) 1M x 36
6MB	(2) 1M x 16	(1) 512K x 36
8MB	(2) 1M x 16	(1) 1M x 36
12MB	(2) 1M x 16	(1) 2M x 36
20MB	(2) 1M x 16	(1) 4M x 36
Note: Bank 0 is factory installed and is not configurable.		

ON BOARD MEMORY CONFIGURATION		
Size	**JP1**	**JP2**
1MB	Pins 1 & 2 closed	Pins 1 & 2 closed
4MB	Pins 2 & 3 closed	Pins 2 & 3 closed
Note: 1MB is standard on the Omni 300-1S board. 4MB is standard on the Omni 300-4S board.		

TECHNOLAND, INC.
OMNI 300-1S, OMNI 300-4S

SERIAL PORT 2 SELECTION					
Setting	**JP9**	**JP10**	**JP11**	**JP12**	**JP13**
RS-232	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2
RS-422	2 & 3	2 & 3	2 & 3	2 & 3	3 & 4
RS-485	2 & 3	2 & 3	2 & 3	2 & 3	5 & 6
Note: Pins designated should be in the closed position.					

BIOS SELECTION	
Speed	**JP6**
í 5v flash	Pins 2 & 3, 4 & 5 closed
12v flash	Pins 1 & 2, 4 & 5 closed
EPROM	Pins 2 & 3 closed

M SYSTEM ADDRESS SELECTION	
Address	**JP7**
C0000	Pins 1 & 2 closed
C8000	Pins 3 & 4 closed
í D0000	Pins 5 & 6 closed
D8000	Pins 7 & 8 closed