DIVERSIFIED TECHNOLOGY

LBC8716

Device Type Single Board Computer

Processor Pentium III

Processor Speed 350/400/450/500/550MHz

Chip Set Intel 440GX

Video Chip Set Chips and Technology

Maximum Onboard Memory 1GB (SDRAM supported)

Maximum Video Memory 2MB

Cache 512KB (located on the Pentium III CPU)

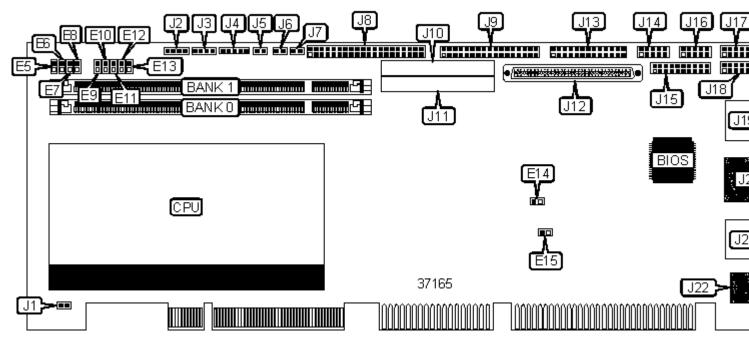
BIOS Phoenix

Dimensions 338mm x 107mm

I/O Options Ethernet 10BaseT connector, Flat panel connectors (2), Floppy drive

interface, IDE interface, Parallel interface, PS/2 keyboard port, PS/2 mouse port, Serial ports (2), System monitor interface, System monitor serial interface, USB interface, VGA port, Wide Ultra SCSI interface

Data Bus 16-bit ISA/32-bit PCI



CONNECTIONS				
Purpose	Location	Purpose	Location	
CPU fan power	J1	Wide Ultra SCSI interface	J12	
USB interface	J2	Parallel interface	J13	
Speaker	J3	Serial interface	J14	
Power LED & keylock	J4	System monitor interface	J15	
SCSI interface LED	J5	Serial interface	J16	
IDE interface LED	J6	Internal keyboard interface	J17	
Reset switch	J7	System monitor serial interface	J18	

IDE interface	Ј8	PS/2 keyboard port	J19
Floppy drive interface	J9	VGA port	J20
Flat panel connector A	J10	PS/2 mouse port	J21
Flat panel connector B	J11	RJ-45 UTP connector	J22

	USER CONFIGURABLE SETTINGS			
	Function	Label	Position	
»	Onboard video enabled	E9	Closed	
	Onboard video disabled	E9	Open	
»	Manufacturing test mode disabled	E10	Open	
	Manufacturing test mode enabled	E10	Closed	
»	CPU fan strobe frees GPI input #8	E11	Open	
	CPU fan strobe monitored by system monitor	E11	Closed	
»	Termination enabled	E12	Open	
	Termination disabled	E12	Closed	
»	Bracket ground enabled	E13	Closed	
	Bracket ground disabled	E13	Open	
»	Ultra-SCSI transfer enabled	E14	Open	
	Ultra-SCSI transfer disabled	E14	Closed	
»	Mouse (IRQ 12) enabled	E15	Closed	
	Mouse (IRQ12) disabled	E15	Open	

DIMM CONFIGURATION			
Size	Bank 0	Bank 1	
8MB	(1) 1M x 64	None	
16MB	(1) 1M x 64	(1) 1M x 64	
24MB	(1) 2M x 64	(1) 1M x 64	
32MB	(1) 2M x 64	(1) 2M x 64	

40MB (1) 4M x 64 (1) 1M x 64 48MB (1) 4M x 64 (1) 2M x 64 64MB (1) 4M x 64 (1) 4M x 64 64MB (1) 4M x 64 (1) 4M x 64 72MB (1) 8M x 64 (1) 1M x 64 80MB (1) 8M x 64 (1) 2M x 64 96MB (1) 8M x 64 (1) 4M x 64 128MB (1) 8M x 64 (1) 1M x 64 136MB (1) 16M x 64 (1) 1M x 64 144MB (1) 16M x 64 (1) 4M x 64 192MB (1) 16M x 64 (1) 4M x 64 192MB (1) 16M x 64 (1) 8M x 64 256MB (1) 16M x 64 (1) 1M x 64 256MB (1) 16M x 64 (1) 1M x 64 272MB (1) 32M x 64 (1) 1M x 64 288MB (1) 32M x 64 (1) 4M x 64 320MB (1) 32M x 64 (1) 4M x 64 512MB (1) 32M x 64 (1) 16M x 64 512MB (1) 32M x 64 (1) 16M x 64 512MB (1) 32M x 64 (1) 16M x 64 512MB (1) 32M x 64 (1) 11M x 64 512MB (1) 32M x 64 (1) 11M x 64 52MB (1) 32M x 64 (1) 11M x 64 52MB (1) 64M x 64 (1) 11M x 64 52MB (1) 64M x 64 (1) 11M x 64 54MB (1) 64M x 64 (1) 11M x 64 576MB (1) 64M x 64 (1) 11M x 64 640MB (1) 64M x 64 (1) 11M x 64 768MB (1) 64M x 64 (1) 16M x 64 1024MB (1) 64M x 64 (1) 16M x 64 1024MB (1) 64M x 64 (1) 16M x 64 Note: Board supports SDRAM memory.				
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144MB (1) 16M × 64 (1) 2M × 64 160MB (1) 16M × 64 (1) 4M × 64 192MB (1) 16M × 64 (1) 8M × 64 256MB (1) 16M × 64 (1) 16M × 64 264MB (1) 32M × 64 (1) 1M × 64 272MB (1) 32M × 64 (1) 2M × 64 288MB (1) 32M × 64 (1) 8M × 64 320MB (1) 32M × 64 (1) 8M × 64 384MB (1) 32M × 64 (1) 16M × 64 512MB (1) 32M × 64 (1) 32M × 64 520MB (1) 64M × 64 (1) 1M × 64 528MB (1) 64M × 64 (1) 2M × 64 544MB (1) 64M × 64 (1) 4M × 64 576MB (1) 64M × 64 (1) 8M × 64 640MB (1) 64M × 64 (1) 16M × 64 768MB (1) 64M × 64 (1) 32M × 64 1024MB (1) 64M × 64 (1) 64M × 64	128MB	(1) 8M x 64	(1) 8M x 64	
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272MB (1) 32M x 64 (1) 2M x 64 288MB (1) 32M x 64 (1) 4M x 64 320MB (1) 32M x 64 (1) 8M x 64 384MB (1) 32M x 64 (1) 16M x 64 512MB (1) 32M x 64 (1) 32M x 64 520MB (1) 64M x 64 (1) 1M x 64 528MB (1) 64M x 64 (1) 2M x 64 544MB (1) 64M x 64 (1) 8M x 64 576MB (1) 64M x 64 (1) 16M x 64 640MB (1) 64M x 64 (1) 16M x 64 768MB (1) 64M x 64 (1) 32M x 64 1024MB (1) 64M x 64 (1) 64M x 64	256MB	(1) 16M x 64	(1) 16M x 64	
288MB (1) 32M x 64 (1) 4M x 64 320MB (1) 32M x 64 (1) 8M x 64 384MB (1) 32M x 64 (1) 16M x 64 512MB (1) 32M x 64 (1) 32M x 64 520MB (1) 64M x 64 (1) 1M x 64 528MB (1) 64M x 64 (1) 2M x 64 544MB (1) 64M x 64 (1) 4M x 64 576MB (1) 64M x 64 (1) 8M x 64 640MB (1) 64M x 64 (1) 16M x 64 768MB (1) 64M x 64 (1) 32M x 64 1024MB (1) 64M x 64 (1) 32M x 64	264MB	(1) 32M x 64	(1) 1M x 64	
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384MB (1) 32M x 64 (1) 16M x 64 512MB (1) 32M x 64 (1) 32M x 64 520MB (1) 64M x 64 (1) 1M x 64 528MB (1) 64M x 64 (1) 2M x 64 544MB (1) 64M x 64 (1) 4M x 64 576MB (1) 64M x 64 (1) 8M x 64 640MB (1) 64M x 64 (1) 16M x 64 768MB (1) 64M x 64 (1) 32M x 64 1024MB (1) 64M x 64 (1) 64M x 64	288MB	(1) 32M x 64	(1) 4M x 64	
512MB (1) 32M x 64 (1) 32M x 64 520MB (1) 64M x 64 (1) 1M x 64 528MB (1) 64M x 64 (1) 2M x 64 544MB (1) 64M x 64 (1) 4M x 64 576MB (1) 64M x 64 (1) 8M x 64 640MB (1) 64M x 64 (1) 16M x 64 768MB (1) 64M x 64 (1) 32M x 64 1024MB (1) 64M x 64 (1) 64M x 64	320MB	(1) 32M x 64	(1) 8M x 64	
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528MB (1) 64M x 64 (1) 2M x 64 544MB (1) 64M x 64 (1) 4M x 64 576MB (1) 64M x 64 (1) 8M x 64 640MB (1) 64M x 64 (1) 16M x 64 768MB (1) 64M x 64 (1) 32M x 64 1024MB (1) 64M x 64 (1) 64M x 64	512MB	(1) 32M x 64	(1) 32M x 64	
544MB (1) 64M x 64 (1) 4M x 64 576MB (1) 64M x 64 (1) 8M x 64 640MB (1) 64M x 64 (1) 16M x 64 768MB (1) 64M x 64 (1) 32M x 64 1024MB (1) 64M x 64 (1) 64M x 64	520MB	(1) 64M x 64	(1) 1M x 64	
576MB (1) 64M x 64 (1) 8M x 64 640MB (1) 64M x 64 (1) 16M x 64 768MB (1) 64M x 64 (1) 32M x 64 1024MB (1) 64M x 64 (1) 64M x 64	528MB	(1) 64M x 64	(1) 2M x 64	
640MB (1) 64M x 64 (1) 16M x 64 768MB (1) 64M x 64 (1) 32M x 64 1024MB (1) 64M x 64 (1) 64M x 64	544MB	(1) 64M x 64	(1) 4M x 64	
768MB (1) 64M x 64 (1) 32M x 64 1024MB (1) 64M x 64 (1) 64M x 64	576MB	(1) 64M x 64 (1) 8M x 64		
1024MB (1) 64M x 64 (1) 64M x 64	640MB	(1) 64M x 64	(1) 16M x 64	
	768MB	(1) 64M x 64	(1) 32M x 64	
Note: Board supports SDRAM memory	1024MB	(1) 64M x 64	(1) 64M x 64	
Total Data Supporte Obita in monory.				

CACHE CONFIGURATION

Note: 512KB cache is located on the Pentium III CPU.

	FLAT PANEL RESOLUTION SELECTION				
	Setting	E 5	E6	E 7	E8
	640 x 480 TFT	Closed	Closed	Open	Closed
»	800 x 600 TFT	Open	Open	Open	Closed
	1024 x 768 TFT	Closed	Open	Open	Closed
	1280 x 1024 TFT	Open	Closed	Closed	Closed
	640 x 480 DSTN	Closed	Open	Closed	Closed
	800 x 600 DSTN	Open	Open	Closed	Closed
	1024 x 768 DSTN	Closed	Closed	Closed	Closed
	1280 x 1024 DSTN	Open	Closed	Open	Open

MISCELLANEOUS TECHNICAL NOTES

Up to 4 32-bit PCI devices are supported. 16-bit ISA support is provided as well.