

SBC



LB-381LF

VIA Mark Embedded
Board w / VGA / Audio
/ 2LAN

Features :

- Support VIA Mark Processor up to 533MHz
- Equipped with VIA Mark with FSB 133MHz
- Memory Supports PC100/133 SDRAM up to 512MB
- Support Compact Flash
- Support 2 Gigabit LAN ports with Wake-on LAN



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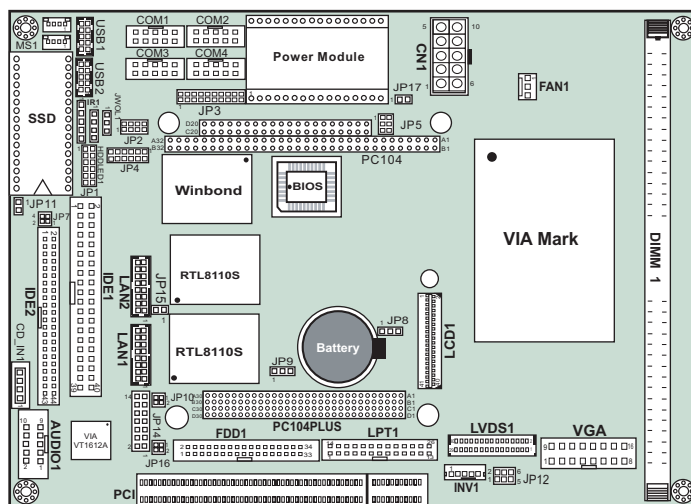
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ISO CERTIFIED
9001 14001

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Specifications

System	
CPU Type	VIA Mark Processor
CPU Frequency	533/800MHz
Chipset	Mark + VT82C686B (FSB : 133MHz)
DRAM	1 x 168-pin DIMM, support PC100/133 SDRAM up to 512MB
BIOS	Phoenix-Award PnP BIOS, with VGA BIOS
Watchdog	16 level Watchdog timer selectable w / Reset / NMI
Power Supply	Support AT / ATX power
Power Requirement	+5V, +12V, -12V (Note: power module does not have enough power to support any add-on cards)
Power Consumption	+5V: 3A / +12V: 0.17A (VIA Mark 800MHz) +5V: 2.5A / +12V: 0.14A (VIA Mark 400MHz)
Dimension	203mm x 146mm (7.99" x 5.75")
I/O Chipset	
IDE Interface	1 x 40-pin IDE (UDMA 33/66/100) 1 x 44-pin IDE (UDMA 33/66/100)
CF	1 x compact flash slot (IDE)
FDD Interface	1
Bus Interface	PCI slot, PC/104, PC/104+
Serial Port	4 x COM ports, COM1/3/4 for RS232, COM2 for RS232/422/485 (for 16550 compatible type of UART)
Parallel Port	1 x parallel (SPP/EPP/ECP)
IrDA	1 (SIR)

Keyboard	4-pin header with mini DIN cable
Mouse	4-pin header with mini DIN cable
LAN	LAN 1 : Realtek RTL8110S (10/100/1000Mbps) LAN 2 : Realtek RTL8110S (10/100/1000Mbps) Supports Wake-on-LAN with ATX power
Audio	AC '97 Codec, Realtek ALC202A with Line-in / Line-out / MIC
USB	4 x USB 1.1

Display	
Graphic	Built-in VIA Mark, share system memory Supports CRT, TTL & LVDS
LCD Interface	18/24-bit TTL, 18/36-bit LVDS

Environment	
OperationTemp.	0°~60°C(32°~140°F)
Storage Temp.	-40°~85°C(-40°~185°F)
Humidity	Operation humidity 20~90%, Storage humidity 20~95%

Ordering Information

LB-381LF-C800	5.25" CPU Card w VIA Mark 800MHz / VGA / Audio / LAN x 2 (2 x 10/100/1000Mbps)
LB-381LF-C533	5.25" CPU Card w VIA Mark 533MHz / VGA / Audio / LAN x 2 (2 x 10/100/1000Mbps)

Certificate: CE, FCC, CLASS A

PERFORMANCE & POWER CONSUMPTION

CPU Type	Content Creation Winstone 2001	3D Mark 2001 SE	PC Mark 2002	Power Consumption +5V / +12V
VIA Mark 800MHz	27.7	270	901	2.9A/0.17A
VIA Mark 533MHz	12.9	131	387	2.5A/0.14A

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