

SBC

Prox-L311

Socket 478 P4/P4-M
5.25" Embedded Board
with VGA/Sound/2LAN

Prox-L311 is fitted with the Intel® 845GV chipset which is designed with the high performance 533/400 MHz system bus, interoperable DDR-SDRAM memory, and is optimized to support the Intel® P4/P4-M processor supporting Hyper-Threading Technology. The Prox-L401 provides USB 2.0 up to 4 ports. With a much higher bandwidth, USB 2.0 can reach data rates up to 480Mbps; nearly 40 times faster than that of present USB 1.1. The Prox-L401 also integrates Realtek AC'97 codec sound chip, which supports excellent audio quality up to two channels for full surround sound capability. Onboard with two LANs, Intel® 82562 ET PHY with 10/100 base Ethernet and Intel® 82551QM or Intel® 82541GI up to 1Giga speed, Prox-L401 can satisfy the needs for fast speed Internet experiences. It also conforms to the ATX form factor and has a total of two DIMM slots, supporting up to 2GB DDR200/266/333 SDRAM. Expansion slots are also available for 1 PCI, 1 PPCI & 1 Compact Flash slot. Further standard features include two EIDE interfaces, one FDD, four serial ports (COM2 is selectable for RS232/422/485; COM3 and COM4 are powered serials), one parallel, one KB, one mouse, and one IrDA.



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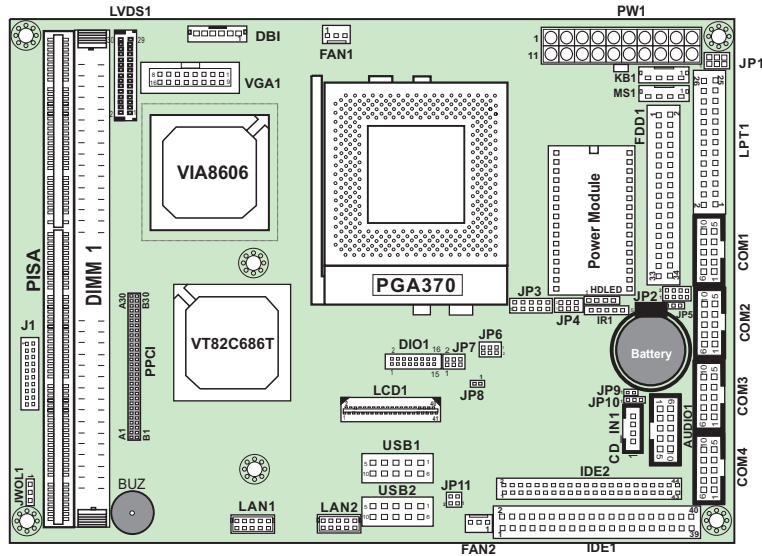
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ISO CERTIFIED

9001 14001

LB-311

Socket 370 PIII Embedded Board with VGA/Sound/2LAN



Specifications

System

CPU Type	Intel® Pentium® III/ Celeron® processor; VIA C3 processor
CPU Frequency	Intel 566MHz~1.26GHz, VIA 700MHz~1GMHz
Chipset	VIA VT8606 + VT82C686B
DRAM	1x168-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
Power Consumption	+5V: 6.9A / +12V: 0.2A (Pentium® III 850MHz) +5V: 7.55A / +12V: 0.14A (Pentium® III 1.26GHz)
Dimension	185mm x 122mm (7.28" x 4.8")

I/O Chipset

IDE Interface	1x44-pin IDE (UDMA 33/66/100)
CF	1 x compact flash slot (IDE)
FDD Interface	1
Bus Interface	PISA, EPCI bus
Serial Port	4 x COM ports, COM1/3/4 for RS232, COM2 for RS232/422/485, (for 16550 compatible type of UART)

Parallel	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 RTL8100BL (10/100 Mbps) LAN 2: Realtek RTL8100BL (10/100 Mbps) Support 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 8606, share system memory support 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 Info

LB-311	5.25" S370 PIII SBC with VGA /audio /LANx2 (10/100Mbps)
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Certificate: CE, FCC, CLASS A

PERFORMANCE & POWER CONSUMPTION

CPU Type	3D Mark 2001 SE Build 330	PC Mark 2002	Power Consumption +5V
Pentium® III 1GHz	TBA	TBA	TBA
Celeron™ 1GHz	TBA	TBA	TBA

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