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LV-671 MP Pentium M – Fanless Mini - ITX Board



Features

- Socket 479 for Intel Pentium & Celeron Mobile Processors up to 1.8 GHz
- Hyper Threading Technology
- 400 MHz FSB
- Fanless Operation with optional Heatpipe
- Intel 855 GM/E Chipset
- Chipset Integrated LVDS/VGA Function
- AC97 Audio Codec
- 10/100/1000 Base TX Ethernet
- USB 2.0 Ports/ 2 Com-Ports/LPT
- 1 x PCI Slot
- PCMCIA & Compact Flash Interface

Specification

Intel Socket 479 Pentium M (Banias) and Celeron M Processors up to 1.8 GHz (Dothan)

Hyper Threading Technology

Core Logic

Intel 855 GM/E + ICH4 Chipset

BIOS

Award Bios

Front Side Bus

400 MHz

Memory

1 x 184 Pins DIMM Socket support 1 GB SDRAM 200/266 -ECC

Onboard LVDS/VGA Controller

Intel 855 GM/E Chipset Integrated LVDS, VGA Funktion Support **Dual Channel LVDS Panel**, display up to UXGA Res.

Gigabit LAN Controller

Intel 82540 or 82541 for 10/100/1000 Base TX support WOL

OnBoard IDE

2 x EIDE Channels for PIO Mode, DMA mode Support 4 x ATA 100/66/33 IDE Devices

DOM DiskonModule embedded Flash Disk up to 1 GBytes

OnBoard Floppy Controller One Slim Floppy Controller

PCMCIA One PCMCIA Type I/II

CompactFlash Type I/II for Compact Flash Card or Micro Drive

OnBoard GPIO

One 20-Pin Digital I/O connector with 15 Bit programmable I/O Interface

Multi I/O

Onboard Winbond W83627 HF Chip support
1 x IrDA by pin Header
1x SPP, EPP /ECP Parallel Port by Pin Header
2 x RS-232 (Com 1/2)

Audio

Integrated ICH4 with AC97 3D Codec

Keyboard Mouse Connector

Staked Connector for Keyboard & Mouse

USB

2 Connectors + 4 x USB ports by Pin header

Expansion

1 onBoard PCI-Slot
up to 3 PCI Optioncards with 1 / 2 / 3 Slot Riser-Card

Hardware Monitoring

Winbond W82627 HF Chip, Monitoring of CPU, System Temperature, Voltage and FAN

Watch Dog Timer

256 Levels Software programmable

Environmental

Operating Temperature : 0 .. .60 ° C
Storage : -20 .. .85 ° C
Rel. Humidity : 10% .. .90 % (non-Condensing)
Fanless Operation with Passive Cooler/Heatpipe

Power Requirements : 12 VDC

1.7 A	Pentium M / Celeron M	1.3 GHz
2.4 A	Pentium M (Banias)	1.6 GHz
2.7 A	Pentium M (Dothan)	1.8 GHz

Approvals

CE, FCC

Formfactor

Mini ITX

Dimensions

170 x 170 mm