

MLP-7820-15

Pentium-M Fanless Engine Box



Features

- True Fanless Thermal Solution
- Socket 478 Pentium-M (or Celeron-M by OEM) Low-power CPU
- The Slimmest Model in Its Kind
- Built in HDD Anti-vibration Module
- IP65/NEMA4 Water/Dust Proof Front Bezel
- LAN / CF (option PCMCIA) / Mini-PCI / Audio / USB2.0 interfaces

Ordering Information

1. MLP-7820-15"-BST-CF : 15" Intel P-M 1.8GHz FANLESS PPC, with 512MB DDR, 40GB HDD, Touch Screen and silver color Aluminum front bezel-CF.
2. MLP-7820-15"-BST-PCMCIA : 15" Intel P-M 1.8GHz FANLESS PPC, with 512MB DDR, 40GB HDD, Touch Screen and silver color Aluminum front bezel-PCMCIA.
3. MLP-7820-15"-KT : without Aluminum front bezel .
4. MLP-7820-15"-BS : without Touch Screen (with Tempered glass)

System

CPU	Socket 478 Intel Pentium-M 1.8GHz (Intel Pentium M 745)
Chipset	Intel 855GME + ICH4
BIOS	4Mb AMI Flash BIOS
Cache	Built-in CPU L1 & L2 cache
VGA	855GME integrated Extreme Graphics
Audio	Realtek ALC202 AC97 Audio Codec, optional 2+2 watts power amplifier
LAN	ICH4 + 86562ET PHY 10/100Base-T Ethernet
Memory	DDR 266/333 SODIMM x 1 (without ECC) upto 1GB capacity
I/O	ICH4
IDE	UDMA 100 IDE interface x 2
GPIO	8-bit input, 8-bit output (5V)
WDT	1~255 minutes, software programmable
H/Monitor	CPU and system temperature monitoring
HDD Anti-vibration	5~17Hz, 0,1" double amplitude displacement ; 17~500Hz, 1.5G acceleration peak to peak

Display & Touch

Panel	15" 24-bit dual-channel LVDS TFT LCD (250nits)
Resolution	1024 x 768
Chipset	855GME Built in Extreme Graphics 2
Memory	Shared system memory up to 64MB
Touch Screen	Dynapro Analog resistive type, 3M 8-wire

Storage

HDD	2.5" IDE HDD drive bay x 1 ; built in HDD Anti-vibration kit
CF	1 x bootable Compact Flash slot for CF type I/II storages

Expansion

Mini-PCI	1 x 32-bit Mini-PCI socket
* PCMCIA	(optional PCMCIA Type I/II 32-bit CardBus slot x 1) (CF & PCMCIA can not be used simultaneously)

External I/O

USB	USB 2.0 x 4
COM	DB-9 x 3 (RS-232 x 2, RS-232/422/485 x 1)
LAN	RJ-45 x 1 (with indicators)
KB/Mouse	PS/2 Keyboard & Mouse x 1
Audio	Line-in, Line-out, and Mic-in audio jacks
* VGA	(optional DB-15 x 1 for Dual Display (OEM version)
* GPIO	(optional external GPIO connector (OEM version)

Mechanical & Environmental

Power Input	DC12V ~ 24V universal
Operating Temperature	0~40°C (fanless)
Storage Temperature	-20~60 °C
Relative Humidity	10%~90%, non-condensing
Dimensions	392 x 323 x 69.3 mm (6 kg) (with aluminum front bezel)