

# MPE-109

## Pentium M Plasma/LCD Display Engine



### Features

- Powerful Digital Signage Control Box
- Compact Design (430 x 300 x 44.5 mm)
- Intel® 915GM GMA 900 solution
- PCI or PCI-express Slot for expansion (not simultaneously)
- Optional CD/DVD-ROM
- Support 1920x1080 HDTV content & 3D application

### Ordering Information

1. **MPE-109-DVI**: P-M Plasma/LCD Display Engine with on board GMA900, Audio, and LAN, DVI connector
2. **MPE-109-PCI**: P-M Plasma/LCD Display Engine with on board GMA900, Audio, and LAN, PCI slot
3. **MPE-109-PCI-E**: P-M Plasma/LCD Display Engine with on board GMA900, Audio, and LAN, PCI-E slot
4. **19" rack mount kit (option)**

### High Reliability

- High-performance Pentium-M Engine
- ✓ Built in Industrial-grade Intel915 Embedded board
- ✓ Supports WDT function
- ✓ 7/24 running duration
- ✓ Automatically reboot when computer shut down



### System

<b>CPU</b>	Supports Intel® Pentium® M, Celeron® M Up to 2.26GHz
<b>FSB</b>	400MHz / 533MHz
<b>Chipset</b>	Intel® 915GM chipset + ICH6M
<b>BIOS</b>	Award BIOS, ACPI supported
<b>Cache</b>	Built-in CPU L1 & L2 cache
<b>VGA</b>	915GM Graphics Media Accelerator 900
<b>LAN</b>	Primary: ICH6M integrated 10/100 BaseT Ethernet Secondary: Marvell 88E8053 PCI Express Gigabit Ethernet(option)
<b>Memory</b>	One DDRII sockets supports up to 1GB DDR SDRAM PC400/533 DDR SDRAM
<b>I/O</b>	ICH6M, Winbond W83627HF chipset
<b>IDE</b>	Built in ICH6M; One enhanced IDE channel supports 2 IDE devices; supports UDMA33/66/100
<b>Serial ATA</b>	Supports 2 ports
<b>Audio</b>	ICH6M integrated audio with AC97 codec; Onboard NS LM4950 amplifier
<b>WDT</b>	Generates system reset; 256 levels

### Storage

<b>HDD</b>	Internal drive bay for 3.5" IDE HDD x 1
<b>CD-ROM</b>	Optional drive bay for slim type CD/DVD-ROM x 1

### I/O

<b>PCI Slot</b>	32-bit PCI slot x1 or 16X PCI-express slot x 1 (not simultaneously) Mini-PCI slot x 1
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### External I/O

<b>VGA</b>	DB-15 x 1
<b>Audio Jack</b>	RCA Jack 2x1 for Audio (Line-Out & Mic)
<b>USB</b>	USB 2.0 x 4
<b>COM</b>	DB-9 x 1
<b>KB/Mouse</b>	PS/2 Connector x2 for keyboard/mouse
<b>LAN</b>	J45 x1 for 10/100 BaseT Ethernet / x1 for Gigabit Ethernet (Option)
<b>Others</b>	IEEE1394 (Option) & SPDIF/OUT
<b>DVI</b>	VIA daughter B/O x1(option)

### Mechanical & Environmental

<b>Power Input</b>	AC 90~264V / 47~63Hz
<b>Operating Temperature</b>	0~40°C
<b>Storage Temperature</b>	-20~80°C
<b>Relative Humidity</b>	10%~90%, non-condensing
<b>Dimensions</b>	430 x 300 x 44.5 mm (5.0 kg)

\* Option; by OEM request. ■ Specifications are subject to change without notice.