

## Full-size PICMG CPU Card

# FS-97E

Support Intel Penryn CPU, DDRIII up to 4GB, VGA, LVDS, DVI, HDTV, Gigabit LAN, IDE, CF, SATA, COM, Mini PCI, PCI Express mini card, USB2.0 and HD Audio



<b>Form Factor</b>	Full-size PICMG (1.0 compliant) CPU Card
<b>CPU</b>	Support Intel Penryn Processor Package type: Micro-FCPGA478 ( <b>Socket-P</b> ) Front side bus: 667/800/1066 MHz
<b>Memory</b>	2 x DDRIII SO-DIMM 800/1066 MHz up to 8GB
<b>Chipset</b>	Intel GM45 & ICH9M
<b>Real Time Clock</b>	Chipset integrated RTC with onboard lithium battery
<b>Watchdog Timer</b>	Generates a system reset with internal timer for 1min/s ~ 255min/s
<b>Power Management</b>	ACPI 2.0 compliant, supports power saving mode
<b>Serial ATA Interface</b>	3 x SATAII interface with 300MB/s transfer rate, 2 x SATAI interface with 150MB/s transfer rate ( <b>support RAID 0,1</b> )
<b>IDE Interface</b>	1 x 40 pin UltraATA133 IDE channel up to 2 ATAPI interface
<b>Solid State Disk</b>	1 x Compact Flash Type II interface
<b>VGA Interface</b>	Intel integrated extreme GMA 4500MHD(Graphic Media Accelerator) Technology
<b>Video memory</b>	Up to 1024MB share with system memory
<b>LVDS Interface</b>	Onboard 18/24-bit dual channel LVDS connector with +3.3V/+5V/+12V supply
<b>DVI Interface</b>	Chrontel CH7318C DVI transmitter with onboard 26-pin DVI interface ( <b>FS-97EXDG &amp; FS-97EXDG2</b> )
<b>Audio Interface</b>	Intel integrated ICH9-M with Realtek ALC888 HD Audio
<b>LAN Interface</b>	2 x Intel 82574L Gigabit LAN
<b>GPIO Interface</b>	Onboard programmable 8-bit Digital I/O interface
<b>Extended Interface</b>	2 x PCI Express mini card, 1 x CF socket, 1 x Mini PCI socket to support Mini PCI Type IIIA
<b>Internal I/O Port</b>	1 x RS232/422/485, 1 x RS232, 1 x SMBUS, 1 x GPIO, 1 x HDTV, 8 x USB, 1 x IrDA, 1 x LVDS, 1 x LCD inverter, 1 x AT keyboard, 5 x Serial ATA, 1 x IDE, 1 x LPT, 1 x FDD, 1 x Front panel Audio, 1 x CDIN and 1 x <b>DVI ( FS-97EXDG &amp; FS-97EXDG2 )</b>
<b>External I/O Port</b>	COM + LAN / 2 x LAN, DB15 VGA, PS/2 Keyboard&Mouse
<b>Power Requirement</b>	+5V, +12 DC input & 5V <sub>SB</sub> Requirement
<b>Dimension</b>	338mm x 122mm
<b>Temperature</b>	Operating within 0~60 centigrade Storage within -20~85 centigrade

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## Ordering Code

<b>FS-97EXG</b>	Onboard VGA, LVDS, HDTV, IDE, CF, SATA, COM, USB2.0, Mini PCI, HD Audio, <b>2 x PCI Express mini card, 1 x Gigabit LAN.</b>
<b>FS-97EXG2</b>	Onboard VGA, LVDS, HDTV, IDE, CF, SATA, COM, USB2.0, Mini PCI, HD Audio, <b>2 x PCI Express mini card, 2 x Gigabit LAN.</b>
<b>FS-97EXDG</b>	Onboard VGA, LVDS, HDTV, IDE, CF, SATA, COM, USB2.0, Mini PCI, HD Audio, <b>DVI, 1 x PCI Express mini card, 1 x Gigabit LAN.</b>
<b>FS-97EXDG2</b>	Onboard VGA, LVDS, HDTV, IDE, CF, SATA, COM, USB2.0, Mini PCI, HD Audio, <b>DVI, 1 x PCI Express mini card, 2 x Gigabit LAN.</b>
<b>MPX-574D/D2</b>	PCI Express mini card supports dual Gigabit LAN.
<b>MPX-SDVOD</b>	SDVO to DVI module. <b>(FS-97EXG &amp; FS-97EXG2)</b>
<b>MPX-827</b>	PCI Express mini card supports SD card.
<b>MPX-954</b>	PCI Express mini card supports 4 x RS232 ports.

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