

Industrial Single Board Computer

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



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

Ordering Code

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

For further product information please visit the website at <http://www.commell.com.tw>

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