

Industrial Single Board Computer

Full-size PICMG 1.0 CPU Card

FE-97G

Intel Atom processor
Onboard VGA, LVDS , Giga LAN,
Mini PCI , Mini PCIE , PCI, USB2.0, SATA
AC97 Audio and Compact Flash socket
6 x Serial Port



Form Factor	Full-size PICMG (1.0 compliant) CPU Card
CPU	Intel Atom N270 processor 1.6GHz Package type: FCBGA, Front side bus: 533MHz
Memory	One 200-pin DDR2 400/533 SO-DIMM SDRAM up to 2GB Non-ECC, unbuffered memory supported only
Chipset	Intel 945GSE & ICH7M
Real Time Clock	Chipset integrated RTC with onboard lithium battery
Watchdog Timer	Generates a system reset with internal timer for 1min(sec) ~ 255min(sec)
Power Management	ACPI 1.0 compliant, supports power saving mode
VGA Interface	Intel integrated extreme GMA 950(Graphic Media Accelerator) Technology Optional Secondary CRT Connector
Video Memory	Up to 224MB shared with system memory
LVDS interface	Onboard 18-bit dual channel LVDS connector Optional: Secondary LVDS transmitter for 18/24-bit dual channel LVDS interface with +3.3V/+5V/+12V supply. (FE-97GTX2G2/G)
DVI Interface	Optional: DVI transmitter with 26-pin DVI connector. (FE-97GTXDG2/G)
Solid State Disk	IDE supports 44-Pin Disk On Module with +5V power supply One Compact Flash Type II socket
Serial ATA interface	2 x serial ATA interface with 150MB/s transfer rate
Audio Interface	Intel ICH7-M integrated with Realtek ALC655 2CH Audio
LAN Interface	2 x Intel 82574L Gigabit Ethernet controllers
GPIO interface	Onboard programmable 8-bit Digital I/O interface
Extended Interface	2 x PCIE Mini CARD 1 x Mini-PCI socket
Internal I/O Port	1 x IrDA,1 x GPIO,1 x AUDIO,1 x CDIN,1 x LVDS, 6 x USB2.0, 5 x RS232, 1 x RS232/RS422/485,1 x LCD Inverter, 2 x SATA,1 x HDTV 1 x FDD, 1 x LPT
External I/O Port	1 x DB15 VGA port and1 x PS/2 Keyboard/Mouse Port, 2 x RJ45 LAN
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

FE-97GTXG	Onboard VGA, LVDS for 18-bit, HDTV, IDE, CF, SATA, COM, USB2.0, Mini PCI, HD Audio, 2 x PCI Express mini card, 1 x Gigabit LAN.
FE-97GTXG2	Onboard VGA, LVDS for 18-bit, HDTV, IDE, CF, SATA, COM, USB2.0, Mini PCI, HD Audio, 2 x PCI Express mini card, 2 x Gigabit LAN.
FE-97GTXDG	Onboard VGA, LVDS for 18-bit, HDTV, IDE, CF, SATA, COM, USB2.0, Mini PCI, HD Audio, DVI, 1 x PCI Express mini card, 1 x Gigabit LAN.
FE-97GTXDG2	Onboard VGA, LVDS for 18-bit, HDTV, IDE, CF, SATA, COM, USB2.0, Mini PCI, HD Audio, DVI, 1 x PCI Express mini card, 2 x Gigabit LAN.
FE-97GTX2G	Onboard VGA, 2 x LVDS for 18-bit, HDTV, IDE, CF, SATA, COM, USB2.0, Mini PCI, HD Audio, 2 x PCI Express mini card, 1 x Gigabit LAN.
FE-97GTX2G2	Onboard VGA, 2 x LVDS for 18-bit, HDTV, IDE, CF, SATA, COM, USB2.0, Mini PCI, HD Audio, 2 x PCI Express mini card, 2 x Gigabit LAN.
MPX-574D	PCI Express mini card supports single Giga LAN
MPX-827	PCI Express mini card supports SD card.
MPX-954	PCI Express mini card supports 4 x RS232 ports.

Taiwan Commate Computer Inc.

8F, NO. 94, Sec. 1, Shin Tai Wu Rd., Hsi Chih, Taipei Shien, Taiwan.

TEL: +886-2-26963909

Website: www.commell.com.tw

FAX: +886-2-26963911

E-mail: info@commell.com.tw



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