

Industrial Single Board Computer

PICMG 1.3 Full-size CPU Card

FS-A77

Support 3rd Generation Intel® Core™ i7/ i5/i3 CPU
with DDRIII SO-DIMM, CRT, DVI, LVDS, USB2.0, USB3.0
Gigabit LAN, PCI Express mini card, SATAII/III, Audio, COM, LPT



Form Factor	PICMG 1.3 Full-size CPU Card
CPU	3 rd Generation Intel® Core™ i7, Core™ i5, Core™ i3 Mobile Processor Package type: rPGA988B
Memory	2 x DDRIII SO-DIMM 1066/1333/1600 MHz up to 16GB Support Non-ECC, unbuffered memory only
Chipset	Intel QM77 Express chipset
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	Supports ACPI 3.0 compliant.
Serial ATA Interface	4 x serial ATAII interface with 300MB/s transfer rate 2 x serial ATAIII interface with 600MB/s transfer rate
VGA Interface	Onboard DSUB15 connector for VGA interface
LVDS Interface	Onboard 24-bit dual channel LVDS connector with +3.3V/+5V/+12V supply
DVI interface	Onboard DVI with 20-pin connector
Audio Interface	Realtek ALC888 HD Audio
LAN Interface	1 x Intel 82579LM Gigabit LAN (Support iAMT8.0) 1 x Intel 82574L Gigabit LAN
GPIO Interface	Onboard programmable 8-bit Digital I/O interface
Expansion Interface	PICMG 1.3 Interface Support 1 PCI-Express x16 and 1 PCI-Express x4 or 4 PCI-Express x1 4 PCI bus master, and 4 USB2.0 Interface and 1 x PCIE mini card socket
Internal I/O Port	5x RS232, 1 x RS232/422/485, 1 x SMBUS, 1 x GPIO, 4 x USB2.0, 4 x USB3.0, 1 x IrDA, 1 x LVDS, 1 x LPT, 6 x Serial ATA, 1 x LCD inverter, 1 x Front panel Audio and 1 x CDIN
External I/O Port	DB15 VGA port, RJ45 LAN port, PS/2 Keyboard/Mouse Port
Power Requirement	+5V, +12 DC input & 5V _{SB} Requirement
Dimension	338 mm x 126 mm (L x W)
Temperature	Operating within 0~60 centigrade Storage within -20~85 centigrade

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Stage For Your Success

Ordering Code

FS-A77TXDG	Intel PGA988B + QM77 Onboard VGA, LVDS, DVI, USB2.0, USB3.0, COM, HD Audio, SATAII ,SATAIII, SMBUS, LPC, IrDA, GPIO and PCI Express mini card, 1 x Giga LAN Support Four X1 & One X16 PCI Express interface
FS-A77FTXDG	Intel PGA988B + QM77 Onboard VGA, LVDS, DVI, USB2.0, USB3.0, COM, HD Audio, SATAII ,SATAIII, SMBUS, LPC, IrDA, GPIO and PCI Express mini card, 1 x Giga LAN Support One X4 & One X16 PCI Express interface
FS-A77TXDG2	Intel PGA988B + QM77 Onboard VGA, LVDS, DVI, USB2.0, USB3.0, COM, HD Audio, SATAII ,SATAIII, SMBUS, LPC, IrDA, GPIO and PCI Express mini card, 2 x Giga LAN Support Four X1 & One X16 PCI Express interface
FS-A77FTXDG2	Intel PGA988B + QM77 Onboard VGA, LVDS, DVI, USB2.0, USB3.0, COM, HD Audio, SATAII ,SATAIII, SMBUS, LPC, IrDA, GPIO and PCI Express mini card, 2 x Giga LAN Support One X4 & One X16 PCI Express interface

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