

# Industrial Single Board Computer

## PICMG 1.3 Full-size CPU Card

### FS-A73

Support Intel® Core™ i7, Core™ i5 and Core™ i3 CPU with DDRIII SO-DIMM, CRT, LVDS, Gigabit LAN, Serial ATAll, HD Audio, 6 x COM



<b>Form Factor</b>	PICMG 1.3 Full-size CPU Card
<b>CPU</b>	Intel® Core™ i7, Core™ i5, Core™ i3, Celeron®, and Pentium® Mobile Processor Package type: rPGA988A
<b>Memory</b>	2 x DDRIII SO-DIMM 800/1066 MHz up to 8GB
<b>Chipset</b>	Intel QM57
<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>	Supports ACPI 2.0 compliant.
<b>Serial ATA Interface</b>	6 x serial ATAll interface with 300MB/s transfer rate
<b>VGA Interface</b>	Onboard VGA (depend on CPU) Optional Secondary CRT Connector (FS-A73T2XG/G2)
<b>LVDS Interface</b>	Onboard 24-bit dual channel LVDS connector with +3.3V/+5V/+12V supply
<b>DVI interface</b>	Optional DVI interface (FS-A73TXDG/G2)
<b>Audio Interface</b>	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>Expansion Interface</b>	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
<b>Internal I/O Port</b>	5x RS232, 1 x RS232/422/485, 1 x SMBUS, 1 x GPIO, 8 x USB 2.0, 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
<b>External I/O Port</b>	DB15 VGA port, RJ45 LAN port, PS/2 Keyboard/Mouse Port
<b>Power Requirement</b>	+5V, +12 DC input & 5V <sub>SB</sub> Requirement
<b>Dimension</b>	338 mm x 126 mm (L x W)
<b>Temperature</b>	Operating within 0~60 centigrade Storage within -20~85 centigrade
<b>Ordering Code</b>	
<b>FS-A73TXG/G2</b>	Intel PGA988+ QM57 Onboard VGA, LVDS, LAN, USB2.0, HD Audio, SATA, SMBUS, 6 COM,
<b>FS-A73TXDG/G2</b>	Same as FS-A73 with <b>1x DVI Interface</b>
<b>FS-A73T2XG/G2</b>	Same as FS-A73 with <b>secondary CRT</b>
<b>MPX-7202</b>	PCI Express mini card supports 2 x USB 3.0 provides up to 4.8Gbps of transferring rate.

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