Industrial Single Board Computer

PICMG 1.3 Full-size CPU Card
FS-A70

Support Intel Core 2 Duo / 2 Quad CPU
with DDRII, Onboard VGA,
Intel Gigabit LAN, Mini-PCI
HD Audio, USB, SATA

Form Factor	PICMG (1.3 Compliant) Full-size CPU Card
CPU	Support Intel Core 2 Duo /Core 2 Quad/ Pentium 4 / Pentium D Celeron D Processor Package type: LGA775 Front side bus: 533/800/1066MHz
Memory	2 x DDRII 533/667/800MHz SDRAM up to 4GB
Chipset	Intel 82Q965 & ICH8DO
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 1.0 compliant, supports power saving mode
VGA Interface	Intel integrated Extreme GMA 3000(Graphic Media Accelerator) Technology
Video Memory	Up to 256MB shared with system memory
Serial ATA Interface	6 x serial ATA interface with 300MB/s transfer rate Support RAID 0, 1, 5, 10 and Intel Matrix Storage Technology
Audio Interface	Intel ICH8DO integrated with Realtek ALC260 2CH HD Audio
LAN Interface	2 x Intel 82573L Gigabit Ethernet controllers
GPIO interface	Onboard programmable 8-bit Digital I/O interface
Extended Interface	1 x Mini-PCI socket
Internal I/O Port	1 x RS232 port, 1 x RS232/422/485/IrDA, 1 x FDD port, 1 x GPIO port, 1 x CDIN connector, 6 x USB ports, 1 x Audio connector, 1 x Parallel port, 1 x Onboard 5-pin AT keyboard Port,
Expansion Interface	PICMG1.3 Interface Support one x16 PCI-Express and one x4 or four x1 PCI-Express,four PCI bus master, and four USB2.0 Interface
External I/O Port	2 x RJ45 LAN port, 1 x DB15 VGA port ,1 x PS/2 Keyboard/Mouse Port,
Power Requirement	+5V, +12 DC input & 5V$_{SB}$ Requirement
Board Dimension	338 mm x 126 mm (L x W)
Temperature	Operating within 0~60 centigrade Storage within -20~85 centigrade
Ordering Code	
FS-A70G	Support Intel Core 2 Duo/ Core 2 Quad/Pentium 4/Pentium D Processor, onboard VGA, Audio, SATA, Giga LAN, USB2.0, Serial port, LPT, GPIO,Mini PCI, FDD, IrDA,
FS-A70G2	Same as above and with secondary Gigabit LAN

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