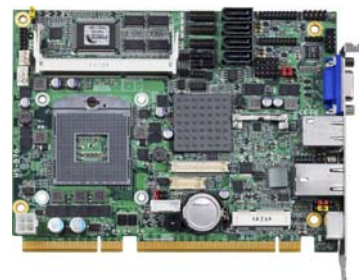


Industrial Single Board Computer

PICMG 1.3 Half-size CPU Card HS-B70

Support 3rd Generation Intel® Core™ i7, Core™ i5 and Core™ i3 CPU with DDRIII SO-DIMM, CRT, DVI, LVDS, Gigabit LAN, USB2.0, USB3.0 PCI Express mini card, Serial ATAIL, Serial ATAIIL, mSATA, HD ,Audio,



Form Factor	PICMG 1.3 Half-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
System Chipset	Intel QM77
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 3.0 compliant, supports power saving mode
Integrated Graphics	Intel® HD Graphics 4000 Technology
DVI interface	Onboard DVI with 20-pin connector
LVDS interface	Onboard 24-bit dual channel LVDS connector with +3.3V/+5V/+12V supply
Serial ATA interface	2 x serial ATAIL interface with 300MB/s transfer rate 2 x serial ATAIIL interface with 600MB/s transfer rate Support RAID 0, 1, 5, 10 and Intel Rapid Storage Technology
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
Extended Interface	PICMG 1.3 Half-size Interface Support 1 PCI-Express x16 、 1 PCI-Express x4 or 4 PCI-Express x1 and 1 x PCIE mini card socket (Optional support mSATA(SATAII) for Mini_Card)
Internal I/O Port	5 x RS232, 1 x RS232/422/485, 1 x SMBUS, 1 x GPIO, 4 x USB3.0 ports, 2 x USB2.0 ports, 1 x IrDA, 1 x DVI, 1 x LVDS, 2 x Serial ATAIL, 2 x Serial ATAIIL, 1 x Front panel Audio and 1 x CDIN
External I/O Port	1 x VGA Port, 2 x RJ45 and 1 x PS/2 Keyboard/Mouse Port
Power Requirement	+12V , 5VSB & 3VSB from Backplane
Dimension	168mm x 126mm
Temperature	Operating within 0~60 centigrade Storage within -20~85 centigrade

Taiwan Commate Computer Inc.

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Ordering Code

HS-B701	Intel PGA988B+ QM77 Onboard VGA, LVDS, DVI, LAN, USB2.0, USB3.0, HD Audio, SATAII ,SATAIII, SMBUS, LPC, IrDA, GPIO, PCI Express mini card and mSATA Support Four X1 & One X16 PCI Express interface
HS-B704	Intel PGA988B+ QM77 Onboard VGA, LVDS, DVI, LAN, USB2.0, USB3.0, HD Audio, SATAII ,SATAIII, SMBUS, LPC, IrDA, GPIO, PCI Express mini card and mSATA Support One X4 & One X16 PCI Express interface

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