

Industrial Single Board Computer

Half-size PCI Bus CPU Card

HS-774

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	Half-size PCI Bus 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
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-I interface	Onboard DVI connector for DVI-I interface
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
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	2 x PCIE mini card socket, 1 x SIM socket (Optional support mSATA(SATAIIL) for Mini_Card1)
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 VGA, 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 DVI-I Port, 2 x RJ45 and 1 x PS/2 Keyboard/Mouse Port
Power Requirement	DC 5V/12V power required, optional 5VSB for ATX Onboard 4-pin power connector & 3-pin ATX connector
Dimension	185mm x 122mm

Ordering Code

HS-774TXDG2	Intel PGA988B+ QM77 Onboard VGA, LVDS, DVI, LAN, USB2.0, USB3.0, HD Audio, SATAIIL ,SATAIIL, SMBUS, LPC, IrDA, SIM, GPIO and PCI Express mini card
HS-774TXDG2S	Intel PGA988B+ QM77 Onboard VGA, LVDS, DVI, LAN, USB2.0, USB3.0, HD Audio, SATAIIL ,SATAIIL, SMBUS, LPC, IrDA, SIM, GPIO ,PCI Express mini card and mSATA

