

# Industrial Single Board Computer

## Half-size PCI Bus CPU Card

### HS-774

Support 3<sup>rd</sup> 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,



<b>Form Factor</b>	Half-size PCI Bus CPU Card
<b>CPU</b>	3 <sup>rd</sup> Generation Intel® Core™ i7, Core™ i5, Core™ i3 Mobile Processor Package type: rPGA988B
<b>Memory</b>	2 x DDRIII SO-DIMM 1066/1333/1600 MHz up to 16GB
<b>System Chipset</b>	Intel QM77
<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(sec) ~ 255min(sec)
<b>Power Management</b>	ACPI 3.0 compliant, supports power saving mode
<b>Integrated Graphics</b>	Intel® HD Graphics 4000 Technology
<b>DVI-I interface</b>	Onboard DVI connector for DVI-I interface
<b>LVDS interface</b>	Onboard 24-bit dual channel LVDS connector with +3.3V/+5V/+12V supply
<b>Serial ATA interface</b>	2 x serial ATAIL interface with 300MB/s transfer rate 2 x serial ATAIIL interface with 600MB/s transfer rate
<b>Audio Interface</b>	Realtek ALC888 HD Audio
<b>LAN Interface</b>	1 x Intel 82579LM Gigabit LAN 1 x Intel 82574L Gigabit LAN
<b>GPIO Interface</b>	Onboard programmable 8-bit Digital I/O interface
<b>Extended Interface</b>	2 x PCIE mini card socket, 1 x SIM socket (Optional support mSATA(SATAIL) for Mini_Card1)
<b>Internal I/O Port</b>	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
<b>External I/O Port</b>	1 x DVI-I Port, 2 x RJ45 and 1 x PS/2 Keyboard/Mouse Port
<b>Power Requirement</b>	DC 5V/12V power required, optional 5VSB for ATX Onboard 4-pin power connector & 3-pin ATX connector
<b>Dimension</b>	185mm x 122mm

### Ordering Code

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

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