

# Industrial Single Board Computer

## Half-size PCI Bus CPU Card

### HS-773

Support 2<sup>nd</sup> Generation Intel® Core™ i7, Core™ i5 and Core™ i3 CPU  
with DDRIII SO-DIMM, CRT, DVI, LVDS, Gigabit LAN,  
PCI Express mini card, Serial ATAIL, Serial ATAIII, HD Audio



|                      |                                                                                                                                                                              |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form Factor          | Half-size PCI Bus CPU Card                                                                                                                                                   |
| CPU                  | 2 <sup>nd</sup> Generation Intel® Core™ i7, Core™ i5, Core™ i3 and Celeron® Mobile Processor<br>Package type: rPGA988B                                                       |
| Memory               | 2 x DDRIII SO-DIMM 1066/1333/1600 MHz up to 16GB                                                                                                                             |
| System Chipset       | Intel QM67                                                                                                                                                                   |
| 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® Core™ integrated HD Graphics Technology                                                                                                                               |
| LVDS interface       | Onboard 24-bit dual channel LVDS connector with +3.3V/+5V/+12V supply                                                                                                        |
| Serial ATA interface | 2x serial ATAIL interface with 300MB/s transfer rate<br>2 x serial ATAIII interface with 600MB/s transfer rate                                                               |
| Audio Interface      | Realtek ALC888 HD Audio                                                                                                                                                      |
| LAN Interface        | 2 x Intel 82574L Gigabit Ethernet controller                                                                                                                                 |
| GPIO Interface       | Onboard programmable 8-bit Digital I/O interface                                                                                                                             |
| Extended Interface   | 2 x PCIE mini card socket, 1 x SIM socket                                                                                                                                    |
| Internal I/O Port    | 5 x RS232, 1 x RS232/422/485, 1 x SMBUS, 1 x GPIO, 8 x USB2.0 ports, 1 x IrDA, 1 x VGA,<br>1 x LVDS, 2 x Serial ATAIL, 2 x Serial ATAIII, 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<br>Onboard 4-pin power connector & 3-pin ATX connector                                                                       |
| Dimension            | 185mm x 122mm                                                                                                                                                                |
| Temperature          | Operating within 0~60 centigrade<br>Storage within -20~85 centigrade                                                                                                         |

### Ordering Code

|             |                                                                                                                                              |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| HS-773TXDG2 | Intel PGA988B+ QM67 Onboard VGA, LVDS, DVI, LAN, USB2.0, HD Audio, SATAII ,SATAIII,<br>SMBUS, LPC, IrDA, SIM, GPIO and PCI Express mini card |
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