

Industrial Single Board Computer

5.25" Embedded Miniboard

LS-576

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, SATAII, SATAIII, mSATA, Audio, COM, LPT



Form Factor	5.25-inch Embedded Miniboard
CPU	3 rd Generation Intel® Core™ i7, Core™ i5, Core™ i3 and Celeron® Mobile Processor Package type: rPGA988B
Memory	2 x DDRIII SO-DIMM 1066/1333/1600 MHz up to 16GB
Chipset	Intel QM77 Express chipset
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	Supports ACPI 3.0 compliant
Serial ATA Interface	4 x serial ATAII interface with 300MB/s transfer rate 2 x serial ATAIII interface with 600MB/s transfer rate
Integrated Graphics	Intel® HD Graphics 4000/2500 Technology
VGA Interface	Onboard DSUB15 connector for VGA interface
LVDS Interface	Onboard 24-bit dual channel LVDS connector with +3.3V/+5V/+12V supply
DVI interface	Onboard DVI with 20-pin connector
Audio Interface	Realtek ALC888 HD Audio
LAN Interface	1 x Intel 82579LM Gigabit LAN (Support iAMT8.0) 5 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(SATAII) for Mini_Card1, but SATA6 will be disable)
Internal I/O Port	1 x PS/2, 4 x RS232, 1 x RS232/422/485, 1 x Parallel, 1 x SMBUS, 1 x GPIO, 4 x USB2.0 ports, 2 x USB3.0 ports, 1 x IrDA, 1 x DVI, 1 x LVDS, 4 x Serial ATAII, 2 x Serial ATAIII, 1 x Front panel Audio and 1 x CDIN
External I/O Port	6 x LAN ports, 1 x VGA port, 2 x USB3.0 ports, 1 x RS232, , 1 x DC connector
Power Requirement	Standard 20-pin ATX power supply or 9~24V full range DC Input
Dimension	203 mm x 146 mm
Temperature	Operating within 0~60 centigrade Storage within -20~85 centigrade



Ordering Code

LS-576TXD	Intel PGA988B+ QM77 Onboard VGA, LVDS, DVI, LAN, USB2.0, USB3.0, HD Audio, SATAII ,SATAIII, SMBUS, LPC, SIM, GPIO and PCI Express mini card.
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LS-576TXDS	Intel PGA988B+ QM77 Onboard VGA, LVDS, DVI, LAN, USB2.0, USB3.0, HD Audio, SATAII ,SATAIII, SMBUS, LPC, SIM, GPIO, PCI Express mini card and mSATA.
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