

# Industrial Single Board Computer

## 5.25" Embedded Miniboard

### LS-576

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



<b>Form Factor</b>	5.25-inch Embedded Miniboard
<b>CPU</b>	3 <sup>rd</sup> Generation Intel® Core™ i7, Core™ i5, Core™ i3 and Celeron® Mobile Processor Package type: rPGA988B
<b>Memory</b>	2 x DDRIII SO-DIMM 1066/1333/1600 MHz up to 16GB
<b>Chipset</b>	Intel QM77 Express chipset
<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/s ~ 255min/s
<b>Power Management</b>	Supports ACPI 3.0 compliant
<b>Serial ATA Interface</b>	4 x serial ATAII interface with 300MB/s transfer rate 2 x serial ATAIII interface with 600MB/s transfer rate
<b>Integrated Graphics</b>	Intel® HD Graphics 4000/2500 Technology
<b>VGA Interface</b>	Onboard DSUB15 connector for VGA interface
<b>LVDS Interface</b>	Onboard 24-bit dual channel LVDS connector with +3.3V/+5V/+12V supply
<b>DVI interface</b>	Onboard DVI with 20-pin connector
<b>Audio Interface</b>	Realtek ALC888 HD Audio
<b>LAN Interface</b>	1 x Intel 82579LM Gigabit LAN 5 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(SATAII) for Mini_Card1, but SATA6 will be disable)
<b>Internal I/O Port</b>	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
<b>External I/O Port</b>	6 x LAN ports, 1 x VGA port, 2 x USB3.0 ports, 1 x RS232, , 1 x DC connector
<b>Power Requirement</b>	Standard 20-pin ATX power supply or 9~24V full range DC Input
<b>Dimension</b>	203 mm x 146 mm
<b>Temperature</b>	Operating within 0~60 centigrade Storage within -20~85 centigrade

#### Taiwan Commate Computer Inc.

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## 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.

**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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