

# Industrial Single Board Computer

## 5.25" Embedded Miniboard

### LS-573

Support Intel Penryn CPU with DDRIII SO-DIMM, CRT, LVDS, DVI, HDTV, Gigabit LAN, PCI slot, USB, Serial ATAll, Mini PCI, PCI Express mini card, HD Audio, RS232/422/485.



<b>Form Factor</b>	5.25-inch Embedded Miniboard
<b>CPU</b>	Support Intel Penryn Processor Package type: Micro-FCPGA478 ( <b>Socket-P</b> ) Front side bus: 667/800/1066 MHz
<b>Memory</b>	Two DDRIII 800/1066 up to 8GB
<b>Chipset</b>	Intel GM45 & ICH9-M (82801IBM)
<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>	ACPI 1.0 compliant, supports power saving mode
<b>Serial ATA Interface</b>	4 x serial ATAll interface with 300MB/s transfer rate
<b>VGA Interface</b>	Intel integrated extreme GMA 4500MHD(Graphic Media Accelerator) Technology One optional RGB DAC with 10-pin DB9 connector ( <b>Only LS-573T2X</b> )
<b>Video Memory</b>	Up to 384MB shared with system memory
<b>DVI Interface</b>	Onboard DVI transmitter with 26-pin DVI connector ( <b>Only LS-573TXD</b> )
<b>LVDS Interface</b>	Onboard 18/24-bit dual channel LVDS interface with +3.3V/+5V/+12V supply
<b>Audio Interface</b>	Intel integrated ICH9-M with Realtek ALC888 HD Audio
<b>LAN Interface</b>	6 x Intel 82574L Gigabit LAN
<b>GPIO interface</b>	Onboard programmable 8-bit Digital I/O interface
<b>Extended Interface</b>	One PCI Express mini card, One PCI slot, One Mini PCI Type IIIA socket
<b>Internal I/O Port</b>	1 x GPIO, 1 x Parallel, 6x USB, 1 x LVDS, 1 x LCD inverter connector, 1 x HDTV, 1 x Front panel Audio, 1 x CDIN connector, 1 x PS/2, 1 x RS232/422/485, 4 x RS-232, 1 x IrDA, 1 x SMBus, <b>1 x DVI (Only LS-573TXD), 1 x VGA (Only LS-573T2X)</b>
<b>External I/O Port</b>	1 x RS-232 Port, 6 x LAN Port, 2 x USB Port, 1 x VGA Port, 1 x DC connector
<b>Temperature</b>	Operating within 0~60 centigrade Storage within -20~85 centigrade
<b>Power Requirement</b>	Standard 20-pin ATX power supply or 9~24V full range DC Input ( <b>8~30V is operative</b> )
<b>Dimension</b>	203 mm x 146 mm

## Ordering Code

<b>LS-573TX</b>	Onboard CRT, LVDS, HDTV, 6 x Intel Gigabit LAN, 8 x USB2.0, PCI, Mini-PCI, GPIO, IrDA, PCI Express mini card, Parallel, RS232/422/485, 4 x SATA, HD Audio and SMBus
<b>LS-573T2X</b>	Onboard <b>2 X CRT</b> , LVDS, HDTV, 6 x Intel Gigabit LAN, 8 x USB2.0, PCI, Mini-PCI, GPIO, IrDA, PCI Express mini card, Parallel Port, RS232/422/485, 4 x SATA, HD Audio and SMBus
<b>LS-573TXD</b>	Onboard CRT, LVDS, HDTV, 6 x Intel Gigabit LAN, 8 x USB2.0, PCI, Mini-PCI, GPIO, IrDA, PCI Express mini card, Parallel, RS232/422/485, 4 x SATA, HD Audio and SMBus, <b>DVI</b>
<b>MPX-574D</b>	PCI Express mini card supports single Giga LAN ( <b>Only LS-573TX</b> )
<b>MPX-SDVOD</b>	SDVO to DVI module ( <b>LS-573TX, LS-573TXD, LS-573T2X</b> )
<b>ADP-L2T</b>	18bit LVDS to TTL module

For further product information please visit the website at <http://www.commell.com.tw>

### Taiwan Commate Computer Inc.

19F, NO. 94, Sec. 1, Shin Tai Wu Rd., Hsi Chih, Taipei Shien, Taiwan.

TEL: +886-2-26963909

Website: [www.commell.com.tw](http://www.commell.com.tw)

FAX: +886-2-26963911

E-mail: [info@commell.com.tw](mailto:info@commell.com.tw)



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