

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.



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

Ordering Code

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|------------------|--|
| LS-573TX | 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 |
| LS-573T2X | Onboard 2 X CRT , 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 |
| LS-573TXD | 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, DVI |
| MPX-574D | PCI Express mini card supports single Giga LAN (Only LS-573TX) |
| MPX-SDVOD | SDVO to DVI module (LS-573TX, LS-573TXD, LS-573T2X) |
| ADP-L2T | 18bit LVDS to TTL module |

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

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