

LS-573

5.25" Miniboard with 6 x Intel Gigabit Ethernet

5.25" Mainboard with Intel® GM45 provides platform for Intel® Core™ 2 Duo with Socket P @ FSB 667/800/1066 MHz, DDR3 up to 4.0 GB, 6 Giga LAN, CRT, LVDS, HDTV, SATA, HD Audio, 6 x COM, Mini PCI and PCI expand slot



Overview

the 5.25" LS-573 incorporates an Intel Socket P pin-out compatible with Intel Core 2 Duo Mobile Penryn or Core 2 Extreme processors @ [FSB 667/800/1066 MHz](#) support for T8100, T8300, T9300, T9400, T9500, X9100, X9000 & Mobile Celeron 578,575, Validated with the [Mobile GM45](#) Express chipset, providing excellent flexibility for developers of embedded applications by offering outstanding graphics, memory and I/O bandwidth, asset management capabilities, storage speed and reliability, such as interactive clients, gaming platforms and industrial automation equipment. **It also comes with six Intel Gigabit LAN ports, was specifically designed for mainstream IDS/IPS, Anti-virus, VPN gateway and UTM applications.**

The LS-573 Miniboard integrated Mobile Intel Graphics Accelerator 4500MHD, Intel Clear Video Technology, and graphics core speeds up to 533MHz provide enhanced graphics and 3D rendering performance and enable high-definition video playback, it also supports for numerous display, includes VGA, LVDS, HDTV, DVI.

LS-573 Miniboard supports [DDR3 SDRAM](#) up to 4GB, and comes with PS/2

Keyboard and Mouse, 5 x RS232C and 1 x RS232/422/485, 8 x USB2.0 ports, It offers Realtek ALC888 HD audio, 4 x SATA interface, Expansion with one Mini PCI, one PCIe mini card, one PCI slot.

Key Feature

- **CPU:** Intel® Core™ 2 Duo processor with Socket P @ 667/800/1066 MHz FSB
- **Memory:** 2 x DDR3 SO-DIMM support 800/1066 MHz up to 4.0 GB.
- **Chipset:** Intel® GM45 and ICH9M.
- **VGA Interface:** built-in Intel® extreme GMA X4500 Technology.
- **LVDS interface:** Onboard 24-bit Dual channel LVDS connector.
- **DVI interface:** Onboard 26-pin DVI connector (LS-573TXD).
- **Serial ATA:** 4 x Serial ATA interface with 300 MB/s transfer rate.
- **LAN Interface:** 6 x Intel® 82574L Gigabit Ethernet .
- **Audio:** Realtek ALC888 HD Audio.
- **GPIO interface:** Onboard 8-bit Digital I/O interface.
- **Extended interface:** 1 x PCI , 1 x Mini-PCI and 1 x PCI Express Mini card.
- **External I/O ports:** 6 x LAN , 2 x USB , VGA , COM , DC input connector.

Specification

Form Factor	5.25" Miniboard (203 x 146 mm)
CPU	Intel® Core 2 Duo with Socket P @ 667/800/1066 MHz FSB
Memory	2 x DDR3 SO DIMM support 800/1066 MHz up to 4.0 GB
Chipset	Intel® GM45 & ICH9M
Real Time Clock	Chipset integrated RTC with onboard lithium battery
Watchdog Timer	Generates a system reset internal timer for 1sec/min ~ 255 sec/min
Power Management	ACPI 1.0 compliant, supports power saving mode
VGA Interface	Intel® GM45 integrated GMA X4500 Technology
LVDS Interface	24-bit dual channel LVDS interface
DVI Interface	Onboard 26-pin DVI connector (LS-573TXD only)
Serial ATA Interface	4 x Serial ATA Interface with 300 MB/s transfer rate.
Audio Interface	Realtek ALC888 HD Audio
LAN Interface	6 x Intel® 82574L Gigabit Ethernet

GPIO Interface	Onboard programmable 8-bit digital I/O interface
Extend Interface	PCI slot , Min-PCI and PCI Express Mini card sockets
External I/O Port	6 x RJ45 LAN, 2 x USB, 1 x DC input, 1 x VGA, 1 x COM
Internal I/O Port	1 x RS232/422/485, 4 x RS232, 1 x IrDA , 4 x USB 2.0, 1 x 8-bit GPIO, 1 x Audio, 1 x CDIN, LVDS and LCD inverter connector, 1 x HDTV, 1 x SMBus, 1 x DVI (LS-573TXD only) 1 x VGA (LS-573T2X only)
Power Requirement	Standard 20-pin ATX P/S or DC 9V ~ 24V full range input
Board Dimension	203mm x 146mm (L x W)
Operation Temperature	0 ~ 60°C (32 ~ 140°F)

Ordering Guide

LS-573TX	Intel® Core™ 2 Duo 5.25" Miniboard with onboard 6 x LAN, SATA, USB 2.0 port, Audio, RS232/422/485, PCI, Min-PCI, PCI Express Mini card slots interface, CRT and LVDS
LS-573T2X	Intel® Core™ 2 Duo 5.25" Miniboard with onboard 6 x LAN, SATA, USB 2.0 port, Audio, RS232/422/485, PCI, Min-PCI, PCI Express Mini card slots interface, 2 x CRT and LVDS
LS-573TXD	Intel® Core™ 2 Duo 5.25" Miniboard with onboard 6 x LAN, SATA, USB 2.0 port, Audio, RS232/422/485, PCI, Min-PCI, PCI Express Mini card slots interface, CRT , LVDS and DVI
MPX-574D	PCI Express Mini card support 1 x Giga LAN
MPX-SDVOD	PCI Express Mini card support DVI module
ADP-L2T	18-bit LVDS to TTL module