

Industrial Single Board Computer

5.25" Embedded Miniboard

LS-571

Support Intel Core 2 Duo Mobile CPU with DDRII SO-DIMM, CRT, LVDS, DVI, HDTV, Gigabit LAN, PCI slot, Mini PCI, HD Audio, RS232/422/485 port, Serial ATAPI, IDE and Compact Flash socket



Form Factor	5.25 inch Embedded Miniboard
CPU	Support Intel Core 2 Duo Mobile Processor Package type: Micro-FCPGA478 Front side bus: 533/800 MHz
Memory	One 533/667MHz DDRII SODIMM up to 2GB
Onboard Memory	On board optional 1GB DDRII SDRAM
Chipset	Intel GME965 & ICH8-M(82801HBM)
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
PCI Enhanced IDE	One 44-pin UltraATA33 IDE interface supports up to 2 ATAPI devices
Serial ATA Interface	3 x serial ATAPI interface with 300MB/s transfer rate
VGA Interface	Intel integrated extreme GMA X3100(Graphic Media Accelerator) Technology
Video Memory	Up to 384MB shared with system memory
DVI Interface	Two optional Chrontel CH7307C DVI transmitter with onboard 26-pin DVI connector
LVDS Interface	Onboard 18/24-bit dual channel LVDS interface with +3.3V/+5V/+12V supply One optional Chrontel CH7308 LVDS transmitter for 18/24-bit dual channel LVDS interface with +3.3V/+5V/+12V supply
SDTV/HDTV Interface	Onboard 5x2-pin SDTV/HDTV interface One optional Chrontel CH7021 SDTV/HDTV encoder with 5x2-pin SDTV/HDTV interface
Audio Interface	Intel integrated ICH8-M with Realtek ALC888 HD Audio
LAN Interface	Two Intel 82573L Gigabit LAN
Solid State Disk	IDE supports 44-Pin DiskOnModule with +5V/+3.3V power supply, One Compact Flash Type II
GPIO interface	Onboard programmable 8-bit Digital I/O interface
Extended Interface	One PCI slot, Two Mini PCI socket to support Mini PCI Type IIIA
Internal I/O Port	1 x slim FDD port, 1 x GPIO port, 1 x Parallel Port, 8x USB ports, 1 x IDE, 1 x LVDS, 1 x LCD inverter connector, 1 x DVI, 1 x HDTV, 1 x Front panel Audio connector, 1 x CDIN connector, 1 x RS232/422/485, 5 x COM Port, 1 x IrDA Port and 1 x SMBus Port,
Temperature	Operating within 0~60 centigrade Storage within -20~85 centigrade
Power Requirement	Standard 20-pin ATX power supply or 12V DC Input
Dimension	203 mm x 146 mm

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Ordering Code

LS-571TXD-P	Onboard CRT, LVDS, HDTV, DVI, 2 x Intel Gigabit LAN, USB2.0, PCI, Mini-PCI, GPIO Port, IrDA, Slim FDD, Parallel Port, RS232/422/485, SATA, HD Audio, SMBus, CF
LS-571TXD-1G	Onboard CRT, LVDS, HDTV, DVI, 2 x Intel Gigabit LAN, USB2.0, PCI, Mini-PCI, GPIO Port, IrDA, Slim FDD, Parallel Port, RS232/422/485, SATA, HD Audio, SMBus, CF and 1G DDR II 667Mhz,

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