

Industrial Single Board Computer

5.25" Embedded Miniboard

LS-571

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



Form Factor	5.25-inch Embedded Miniboard
CPU	Support Intel Core 2 Duo / Celeron M Mobile Processor <i>socket-P</i> Package type: Micro-FCPGA478 Front side bus: 533/667/800 MHz
Memory	One 533/667MHz DDRII SO-DIMM up to 2GB
Onboard Memory	Onboard optional 1GB 667MHz 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 ATAll interface with 300MB/s transfer rate
VGA Interface	Intel integrated extreme GMA X3100(Graphic Media Accelerator) Technology One optional Chrontel CH7317A SDVO \diamond / RGB DAC with 26-pin DVI connector
Video Memory	Up to 384MB shared with system memory
DVI Interface	Onboard Chrontel CH7307C DVI transmitter with 26-pin DVI connector One optional Chrontel CH7307C DVI transmitter with 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 connector
Audio Interface	Intel integrated ICH8-M with Realtek ALC888 HD Audio
LAN Interface	2 x 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

Ordering Code

LS-571TXD-P	Onboard CRT, LVDS, HDTV, DVI, 2 x Intel Gigabit LAN, 8 x USB2.0, PCI, 2 x Mini-PCI, GPIO Port, IrDA, Slim FDD, Parallel Port, RS232/422/485, 3 x SATA, HD Audio, SMBus, CF
LS-571TXD-1G	Onboard CRT, LVDS, HDTV, DVI, 2 x Intel Gigabit LAN, 8 x USB2.0, PCI, 2 x Mini-PCI, GPIO Port, IrDA, Slim FDD, Parallel Port, RS232/422/485, 3 x SATA, HD Audio, SMBus, CF and Onboard 1GB DDR II 667Mhz,
LS-571TX2D-P	Onboard CRT, 2 X LVDS , HDTV, DVI, 2 x Intel Gigabit LAN, 8 x USB2.0, PCI, 2 x Mini-PCI, GPIO Port, IrDA, Slim FDD, Parallel Port, RS232/422/485, 3 x SATA, HD Audio, SMBus and CF
LS-571TXD2-P	Onboard CRT, LVDS, HDTV, 2 X DVI , 2 x Intel Gigabit LAN, 8 x USB2.0, PCI, 2 x Mini-PCI, GPIO Port, IrDA, Slim FDD, Parallel Port, RS232/422/485, 3 x SATA, HD Audio, SMBus and CF
LS-571T2X-P	Onboard 2 X CRT , LVDS, HDTV, 2 x Intel Gigabit LAN, 8 x USB2.0, PCI, 2 x Mini-PCI, GPIO Port, IrDA, Slim FDD, Parallel Port, RS232/422/485, 3 x SATA, HD Audio, SMBus and CF
LS-571TX2-P	Onboard CRT, 2 x LVDS , HDTV, 2 x Intel Gigabit LAN, 8 x USB2.0, PCI, 2 x Mini-PCI, GPIO Port, IrDA, Slim FDD, Parallel Port, RS232/422/485, 3 x SATA, HD Audio, SMBus and CF

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

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