

Industrial Single Board Computer

Mini-ITX motherboard

LV-679

Support Intel Core 2 Duo Mobile CPU with DDRII SO-DIMM, CRT, LVDS, DVI, Gigabit LAN, PCI slot, 1394, Mini PCI, 7.1 Channel HD Audio, RS232/422/485 port, Serial ATAPI, IDE and Compact Flash socket



Form Factor	Mini-ITX motherboard
CPU	Support Intel Core 2 Duo Mobile Processor Package type: Micro-FCPGA478 Front side bus: 533/800 MHz
Memory	Two DDRII 533/667MHz DIMM up to 3GB with dual channel Interleaved mode
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
LVDS interface	Onboard 24-bit dual channel LVDS connector with +3.3V/+5V/+12V supply
DVI Interface	Two Chrontel CH7307C DVI transmitter with onboard 26-pin DVI 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 RS232/422/485, 1 x slim FDD port, 1 x GPIO port, 1 x Parallel Port, 4 x USB ports, 1 x IrDA, 1 x IDE, 1 x LVDS , 1 x LCD inverter connector, 2 x DVI, 1 x HDTV, 1 x Front panel Audio connector and 1 x CDIN connector
External I/O Port	1 x PS/2 Keyboard/Mouse Port, 2 x RJ45 LAN ports, 1 x DB15 VGA port, 4 x USB2.0 ports, 2 x IEEE1394 port, 1 x RS232 port , 7.1 Channel Audio Output, 1 x SPDIF connector
Power Requirement	Standard 20-pin ATX power supply or 9~24V full range DC Input (8~30V operative)
Dimension	170mm x 170mm
Temperature	Operating within 0~60 centigrade Storage within -20~85 centigrade

Ordering Code

LV-679D	Onboard CRT, LVDS, HDTV, Intel Gigabit LAN, USB2.0, PCI, Mini-PCI, GPIO Port, 1394, IrDA, Slim FDD, Parallel Port, RS232/422/485, SATA, HD Audio, 1 x DVI
LV-679D2C	Onboard CRT, LVDS, HDTV, Intel Gigabit LAN, USB2.0, PCI, Mini-PCI, GPIO Port, 1394, IrDA, Slim FDD, Parallel Port, RS232/422/485, SATA, HD Audio, 2 x DVI and CF

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

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