

# Industrial Single Board Computer

## Mini-ITX motherboard

### LV-679

Support Intel Core 2 Duo / Celeron M 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 ATAII, IDE and Compact Flash socket



<b>Form Factor</b>	Mini-ITX motherboard
<b>CPU</b>	Support Intel Core 2 Duo / Celeron M Mobile Processor Package type: Micro-FCPGA478 Front side bus: 533/667/800 MHz
<b>Memory</b>	Two DDRII 533/667MHz DIMM up to 3GB with dual channel Interleaved mode
<b>Chipset</b>	Intel GME965 & ICH8-M(82801HBM)
<b>Real Time Clock</b>	Chipset integrated RTC with onboard lithium battery
<b>Watchdog Timer</b>	Generates a system reset with internal timer for 1min/s ~ 255min/s
<b>Power Management</b>	ACPI 1.0 compliant, supports power saving mode
<b>PCI Enhanced IDE</b>	One 44-pin UltraATA33 IDE interface supports up to 2 ATAPI devices
<b>Serial ATA Interface</b>	3 x serial ATAII interface with 300MB/s transfer rate
<b>VGA Interface</b>	Intel integrated extreme GMA X3100(Graphic Media Accelerator) Technology
<b>Video Memory</b>	Up to 384MB shared with system memory
<b>LVDS interface</b>	Onboard 24-bit dual channel LVDS connector with +3.3V/+5V/+12V supply
<b>DVI Interface</b>	Two Chrontel CH7307C DVI transmitter with onboard 26-pin DVI interface
<b>Audio Interface</b>	Intel integrated ICH8-M with Realtek ALC888 HD Audio
<b>LAN Interface</b>	Two Intel 82573L Gigabit LAN
<b>Solid State Disk</b>	IDE supports 44-Pin DiskOnModule with +5V/+3.3V power supply, One Compact Flash Type II
<b>GPIO interface</b>	Onboard programmable 8-bit Digital I/O interface
<b>Extended Interface</b>	One PCI slot, Two Mini PCI socket to support Mini PCI Type IIIA
<b>Internal I/O Port</b>	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
<b>External I/O Port</b>	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
<b>Power Requirement</b>	Standard 20-pin ATX power supply or 8~30V full range DC Input
<b>Dimension</b>	170mm x 170mm
<b>Temperature</b>	Operating within 0~60 centigrade Storage within -20~85 centigrade

#### Ordering Code

<b>LV-679D</b>	Intel® Core™ 2 Duo Mini-ITX Motherboard with onboard VGA, LAN, SATA, USB 2.0 ports Audio, IEEE1394, RS232/422/485, Mini PCI, PCI, 1x DVI interface
<b>LV-679D2C</b>	Same as above, but with 2 x DVI interface and Compactflash socket on the solder side.

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

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