

# Industrial Single Board Computer

## Mini-ITX motherboard

### LV-676

Support Intel desktop Core 2 Duo processor

Onboard VGA, HD Audio , 1 x Mini-PCI,

1 x PCI, 6 x serial ATA, 2 x Intel Gigabit LAN,

LVDS, DVI



<b>Form Factor</b>	Mini-ITX motherboard
<b>CPU</b>	Support Intel Core 2 Duo/Pentium 4/Pentium D Processor Package type: PLGA775 Front side bus: 533/800/1066MHz
<b>Memory</b>	Two DDRII 533/667/800MHz DIMM up to 3GB
<b>Chipset</b>	Intel 82Q965 & ICH8DO(82801HDO)
<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>Serial ATA Interface</b>	Intel ICH8DO built-in 6 x Serial ATAII interface up to 300MB/s Support RAID 0, 1, 5, 10 and Intel Matrix Storage Technology
<b>VGA Interface</b>	Intel integrated extreme GMA 3000(Graphic Media Accelerator) Technology
<b>Video Memory</b>	Up to 384MB shared with system memory
<b>LVDS interface</b>	Onboard 18/24-bits dual channel LVDS connector <b>(Optional)</b>
<b>DVI interface</b>	Chrontel CH7307C DVI transmitter with onboard 26-pin DVI interface <b>(Optional)</b>
<b>Audio Interface</b>	Intel integrated ICH8DO with Realtek ALC888 HD Audio
<b>LAN Interface</b>	2 x intel 82573L Gigabit LAN
<b>GPIO interface</b>	Onboard programmable 8-bit Digital I/O interface
<b>Extended Interface</b>	One PCI slot , One Mini PCI socket to support Mini PCI Type III A
<b>Internal I/O Port</b>	1 x RS232/422/485, 1 x slim FDD port, 1 x GPIO port, 1 x CDIN connector, 1 x Audio connector, 1 x IrDA connector, 2 x USB ports, <b>1 x DVI (Optional) ,</b> <b>1 x LVDS and 1 x LCD inverter connector (Optional)</b>
<b>External I/O Port</b>	2 x RJ45 LAN ports, 1 x DB15 VGA port and 1 x PS/2 Keyboard/Mouse Port, 4 x USB2.0 ports, 2 x IEEE1394 port , 1 x SPDIF connector, 1 x Serial Port
<b>External Audio</b>	Line-in, Line-out, MIC-in, Front, Rear, Center/Subwoofer and Side outputs
<b>Power Requirement</b>	Standard 24-pin ATX power supply and P4 4-pin 12V (20-pin is compatible)
<b>Dimension</b>	170mm x 170mm
<b>Temperature</b>	Operating within 0~60 centigrade Storage within -20~85 centigrade

## Ordering Code

<b>LV-676D</b>	Onboard VGA, 2 x Intel Gigabit LAN, 6 x USB2.0, Mini-PCI,PCI, 2 x serial Port, 1 x FDD Realtek ALC888 HD Audio, 6 x SATA , 2 x 1394 , 1 x IrDA , <b>DVI Interface</b>
<b>LV-676X</b>	Onboard VGA, 2 x Intel Gigabit LAN, 6 x USB2.0, Mini-PCI,PCI, 2 x serial Port, 1 x FDD Realtek ALC888 HD Audio, 6 x SATA , 2 x 1394 , 1 x IrDA , 18/24-bits <b>LVDS Interface</b>
<b>MP-6421</b>	Mini PCI with one 44-pin Ultra DMA 33 IDE interface supports up to 2 ATAPI devices 1 x Compact Flash Type II and 2 x serial ATA interface

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

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