

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



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

Ordering Code

LV-676D	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 , DVI Interface
LV-676X	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 LVDS Interface
MP-6421	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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