

# Industrial Single Board Computer

## Mini-ITX motherboard LV-678

Support Intel Core 2 Duo desktop processor

Core2 Quad processor, Onboard VGA

HD Audio, Mini-PCI, PCIE X 16

serial ATA, Intel Gigabit LAN.



<b>Form Factor</b>	Mini-ITX motherboard
<b>CPU</b>	Support Intel Core2 Quad/ Core 2 Duo/ Celeron processor Package type: LGA775 Front side bus: 800/1066/1333MHz
<b>Memory</b>	Two DDRII 667/800 MHz DIMM up to 4GB
<b>Chipset</b>	Intel Q35 & ICH9DO
<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 ICH9DO 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 3100(Graphic Media Accelerator) Technology
<b>Video Memory</b>	Up to 384MB shared with system memory
<b>Audio Interface</b>	Intel integrated ICH9DO 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 PCIE X 16 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, and 2 x USB ports,
<b>External I/O Port</b>	2 x RJ45 LAN ports, 1 x DB15 VGA port, 1 x PS/2 Keyboard/Mouse Port 6 x USB2.0 ports, 1 x SPDIF connector, and 1 x Serial Port.
<b>External Audio</b>	Line-in, 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-678</b>	Onboard VGA, 2 x Intel Gigabit LAN, 6 x USB2.0, Mini-PCI, 2 x serial Port, 1 x slim FDD Realtek ALC888 HD 7.1 Channel Audio, 6 x SATA, 1 x IrDA .
<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>