

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.



Form Factor	Mini-ITX motherboard
CPU	Support Intel Core2 Quad/ Core 2 Duo/ Celeron processor Package type: LGA775 Front side bus: 800/1066/1333MHz
Memory	Two DDRII 667/800 MHz DIMM up to 4GB
Chipset	Intel Q35 & ICH9DO
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 ICH9DO 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 3100(Graphic Media Accelerator) Technology
Video Memory	Up to 384MB shared with system memory
Audio Interface	Intel integrated ICH9DO 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 PCIE X 16 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, and 2 x USB ports,
External I/O Port	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.
External Audio	Line-in, 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-678	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 .
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>