

Industrial Single Board Computer



Mini-ITX motherboard

LV-675

Intel Pentium M/Celeron M

Onboard VGA, One Intel Gigabit LAN

4x USB2.0, S-Video, 2 X Mini-PCI

Realtek ALC655 AC97 Audio



Form Factor	Mini-ITX compact motherboard
CPU	Intel Pentium M/Celeron M processor Package type: FC-PGA478 Front side bus: 400/533MHz
Memory	DDR 200/266/333MHz SDRAM up to 1GB
Chipset	Intel high performance chipset
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.
PCI Enhanced IDE	One 40-pin UltraATA100 IDE interface supports up to 2 ATAPI devices One onboard 44-pin IDE connector
VGA Interface	Intel integrated extreme Technology
Video Memory	Up to 64MB shared with system memory
Audio Interface	Realtek ALC655 AC97 Audio
LAN Interface	Intel 82541PI Gigabit LAN
Solid State Disk	IDE1 supports 40-Pin DiskOnModule with +5V power supply IDE2 supports 40-Pin DiskOnModule with +5V power supply
GPIO interface	Onboard programmable 8-bit Digital I/O interface
Extended Interface	Two Mini-PCI socket and one PCI Slot.
Internal I/O Port	1 x RS232 port , 1 x RS232/422/485, 1 x slim FDD port, 1 x GPIO port, 1 x CDIN connector, 2 x USB ports, 1 x IrDA connector 1 x LVDS and 1 x LCD inverter connector(LV-675X only) , 1 x 24-pin ATX Power Connector 1 x DVI connector(LV-675D only), 1 x Audio connector
External I/O Port	1 x RJ45 LAN ports, 1 x DB15 VGA port and 1 x PS/2 Keyboard/Mouse Port, 2 x USB2.0 ports, 1 x IEEE1394 port , 1 x SPDIF connector 1 x S-video and Composite TV-out connector, 1 x Parallel Port
External Audio Port	Line-out/Front, Line-in/Rear and MIC-in/Center
Power Requirement	Standard 24-pin ATX power supply (20-pin is compatible)
Dimension	170mm x 170mm
Temperature	Operating within 0~60 centigrade Storage within -20~85 centigrade

Ordering Code

LV-675X	Intel Pentium M Mini-ITX motherboard with onboard VGA, 1 x Gigabit LAN, 4 x USB 2.0 Ports, Audio, 2 x RS232 serial port, S-Video, 1x PCI slot, 2 x Mini-PCI, 1 x Parallel Port, 1x SPDIF, LVDS
LV-675D	Intel Pentium M Mini-ITX motherboard with onboard VGA, 1 x Gigabit LAN, 4 x USB 2.0 Ports, Audio, 2 x RS232 serial port, S-Video, 1x PCI slot, 2 x Mini-PCI, 1 x Parallel Port, 1x SPDIF, DV
MP-878D	Mini-PCI Capture Card
MP-541D	Mini-PCI with one Giga Ethernet With Intel 82541PI PCI Connector
MP-541D2	Mini-PCI with two Giga Ethernet With Intel 82541PI PCI Connector
MP-954	Mini-PCI support 3 x RS232 & 1 x RS232/422/485 module
MP-2400A	Mini PCI 802.11b/g Wireless card
MP-323	Mini PCI IEEE 1394A Module

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