

Industrial Single Board Computer

Mini-ITX^{express} motherboard



LV-672

Intel Pentium 4 LGA775 with DDRII
Onboard VGA, Gigabit LAN, Mini-PCI
PCI-Express, SATA, IEEE1394, USB2.0
AC97 5.1 Channel Audio



Form Factor	Mini-ITX motherboard
CPU	Intel Pentium 4 / Celeron D processor Package type: PLGA775 Front side bus: 533/800MHz L2 Cache: 256KB/1MB Intel Hyper Threading Technology supported
Memory	2 x DDRII 400/533MHz SDRAM up to 2GB
Chipset	Intel 915G & ICH6R
Real Time Clock	Chipset integrated RTC with onboard lithium battery
Watchdog Timer	Generates a system reset with internal timer for 1min ~ 255min
Power Management	ACPI 1.0 compliant, supports power saving mode with ATX PSU
PCI Enhanced IDE	One UltraATA/100 IDE channels up to 2 ATAPI devices
VGA Interface	Intel 915G integrated GMA (Graphic Media Accelerator) 900 Technology
Video Memory	Up to 224MB shared with system memory
Serial ATA interface	4 x Serial ATA interface with 150MB/s transfer rate
Audio Interface	Intel ICH6R integrated with Realtek ALC655 5.1 CH AC97 Codec
LAN Interface	2 x Intel 82541GI Gigabit Ethernet Controller
Solid State Disk	IDE1 supports DiskOnModule with +5V power supply
GPIO interface	Onboard programmable 8-bit Digital I/O interface
Extended Interface	1 x Onboard 16x PCI-Express slot (1x mode compatible) 1 x Mini-PCI socket on solder side
External I/O Port	2 x RJ45 LAN ports, 1 x DB15 VGA port and 1 x PS/2 Keyboard/Mouse Port, 2 x RS232 Serial Ports, 2 x IEEE1394 ports, 4 x USB2.0 ports
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)
Board Dimension	170mm x 170 mm (L x W)
Operation Temperature	0 ~ 60 °C (32 ~ 140 °F)

Cable Kit



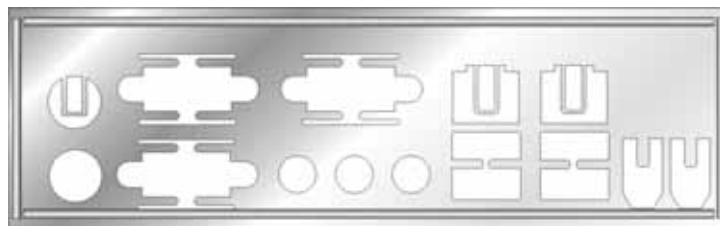
40-pin ATA100 IDE flat cable x 1



26-pin slim type floppy cable x 1



Serial ATA ribbon cable x 2



I/O Shield x 1

Ordering Code

LV-672	Intel Pentium 4 Mini-ITX motherboard with onboard VGA, Dual Gigabit LAN, SATA, USB 2.0 Ports, Audio, IEEE1394, RS232 serial port, Mini-PCI, PCI-Express
PCIE-SDVOD	PCI-Express add-on card for single DVI interface
PCIE-SDVO2D	PCI-Express add-on card for dual DVI interface (not available yet)
OALUSBA-1	Dual USB Cable (30cm)
OALPJ-S	Audio phone jack cable

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

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