

# Industrial Single Board Computer

## Mini-ITX<sup>express</sup> 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



<b>Form Factor</b>	Mini-ITX motherboard
<b>CPU</b>	Intel Pentium 4 / Celeron D processor Package type: PLGA775 Front side bus: 533/800MHz L2 Cache: 256KB/1MB Intel Hyper Threading Technology supported
<b>Memory</b>	2 x DDRII 400/533MHz SDRAM up to 2GB
<b>Chipset</b>	Intel 915G & ICH6R
<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 ~ 255min
<b>Power Management</b>	ACPI 1.0 compliant, supports power saving mode with ATX PSU
<b>PCI Enhanced IDE</b>	One UltraATA/100 IDE channels up to 2 ATAPI devices
<b>VGA Interface</b>	Intel 915G integrated GMA (Graphic Media Accelerator) 900 Technology
<b>Video Memory</b>	Up to 224MB shared with system memory
<b>Serial ATA interface</b>	4 x Serial ATA interface with 150MB/s transfer rate
<b>Audio Interface</b>	Intel ICH6R integrated with Realtek ALC655 5.1 CH AC97 Codec
<b>LAN Interface</b>	2 x Intel 82541GI Gigabit Ethernet Controller
<b>Solid State Disk</b>	IDE1 supports DiskOnModule with +5V power supply
<b>GPIO interface</b>	Onboard programmable 8-bit Digital I/O interface
<b>Extended Interface</b>	1 x Onboard 16x PCI-Express slot (1x mode compatible) 1 x Mini-PCI socket on solder side
<b>External I/O Port</b>	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
<b>External Audio Port</b>	Line-out/Front, Line-in/Rear and MIC-in/Center
<b>Power Requirement</b>	Standard 24-pin ATX power supply (20-pin is compatible)
<b>Board Dimension</b>	170mm x 170 mm (L x W)
<b>Operation Temperature</b>	0 ~ 60 °C (32 ~ 140 °F)

## Cable Kit



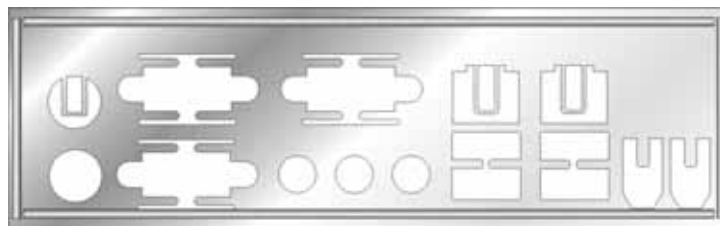
40-pin ATA100 IDE flat cable x 1



26-pin slim type floppy cable x 1



Serial ATA ribbon cable x 2



I/O Shield x 1

### Ordering Code

<b>LV-672</b>	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
<b>PCIE-SDVOD</b>	PCI-Express add-on card for single DVI interface
<b>PCIE-SDVO2D</b>	PCI-Express add-on card for dual DVI interface (not available yet)
<b>OALUSBA-1</b>	Dual USB Cable (30cm)
<b>OALPJ-S</b>	Audio phone jack cable

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

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