

# Industrial Single Board Computer

## Mini-ITX motherboard

### LV-672

170mm x 170mm Pentium 4 Platform

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 compact motherboard	
<b>CPU</b>	Intel Pentium 4 LGA775 with 533/800MHz FSB	
<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 BTX power supply	
<b>Board Dimension</b>	170mm x 170 mm (L x W)	
<b>Operation Temperature</b>	0 ~ 60 °C (32 ~ 140 °F)	
<b>Ordering Code</b>	<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

Online product information detail and updates are available at [www.commell.com.tw](http://www.commell.com.tw)

COMMELL IPC Division, Taiwan Commate Computer Inc.

8F, NO. 94, Sec. 1, Shin Tai Wu Rd., Hsi Chih, Taipei Shien, Taiwan.

TEL: +886-2-26963909

Website: [www.commell.com.tw](http://www.commell.com.tw)

FAX: +886-2-26963911

E-mail: [info@commell.com.tw](mailto:info@commell.com.tw)

**COMMELL**

Stage For Your Success