

# Industrial Single Board Computer



## Mini-ITX motherboard

### LV-671

170mm x 170mm Pentium M Platform

Intel Pentium® M with DDR333

Onboard VGA, Gigabit LAN, Mini-PCI/Mini-AGP

LVDS, GPIO, Serial port, USB2.0

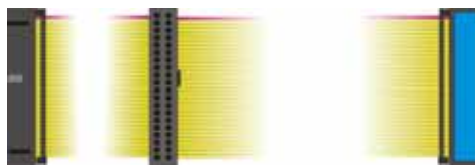
AC97 5.1 Channel Audio



<b>Form Factor</b>	Mini-ITX compact motherboard
<b>CPU</b>	Intel Pentium M/Celeron M Package: mPGA478/mBGA479 L2 Cache: 512KB/1MB/2MB Front side bus: 400MHz <b>Optional Enhanced Intel SpeedStep® technology support</b>
<b>Memory</b>	1 x 184-pin DDR266/333 SDRAM up to 1GB
<b>Chipset</b>	Intel 855GME and ICH4
<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>	Two UltraATA/100 IDE channels up to 4 ATAPI devices
<b>VGA Interface</b>	Intel 855GME builds in Intel Extreme Graphic 2 technology
<b>Video Memory</b>	Up to 64MB shared with system memory
<b>Audio Interface</b>	Intel ICH4 integrated with Realtek ALC655 5.1 CH AC97 Codec
<b>LAN Interface</b>	1 x Intel 82540EM Gigabit Ethernet Controller
<b>LCD Interface</b>	24-bit dual-channel LVDS interface up to 1600 x 1200
<b>Solid State Disk</b>	IDE1 supports DiskOnModule with +5V power supply 1 x Compact Flash Type II socket
<b>GPIO interface</b>	Onboard programmable 16-bit Digital I/O interface
<b>Extended Interface</b>	1 x Mini-PCI or 1 x Mini-AGP socket 1 x PCMCIA type II card bus slot 1 x slim type PCI slot
<b>Internal I/O Port</b>	1 x audio header for MIC-in/Line-in/Line-out, 1 x CD audio-in, 1 x DC12V/5V output, 1 x slim type floppy port
<b>External I/O Port</b>	1 x RJ45 LAN ports, 1 x DB15 VGA port and 1 x PS/2 Keyboard/Mouse Port, 2 x RS232 Serial Ports, 1 x amplified Speaker out, 1 x S/PDIF, 2 x USB2.0 ports, 1 x parallel port, 1 x DC-in mini-DIN

<b>Power Requirement</b>	DC 12V/19V auto-switching
<b>Input Voltage Range</b>	11V~13V for 12V power supply 16V~19V for 19V power supply
<b>Input Current</b>	12V/60W (Intel Pentium M 1.3GHz with 5.25" CDROM & 3.5 HDD) 19V/60W (Intel Pentium M 1.3GHz with 5.25" CDROM & 3.5 HDD)
<b>Dimension</b>	170mm x 170mm
<b>Temperature</b>	Operating within 0~60 centigrade Storage within -20~85 centigrade
<b>EMI Certification</b>	CE/FCC Class-B certificated

## Cable Kit



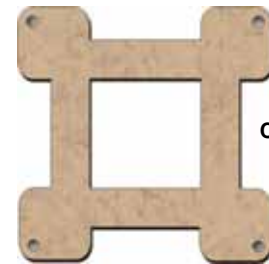
40-pin ATA100 IDE Cable x 1



26-pin Slim Type Floppy Cable x 1



4-pin to 4-pin Power Cable x 1



CPU Cooler x 1

## Ordering Code

<b>LV-671-MA</b>	Mini-ITX Socket 479 Pentium-M processor Motherboard with Intel Extreme VGA, LAN, 5.1-CH/SPDIF Audio, Hi-Speed USB 2.0, <b>mini-AGP</b> socket and LVDS interface.
<b>LV-671-MP</b>	Mini-ITX Socket 479 Pentium-M processor Motherboard with Intel Extreme VGA, LAN, 5.1-CH/SPDIF Audio, Hi-Speed USB 2.0, <b>mini-PCI</b> socket and LVDS interface.
<b>LV-671NSMA</b>	Same as <b>LV-671-MA</b> but without PCMCIA and CF interface.
<b>LV-671NSMP</b>	Same as <b>LV-671-MP</b> but without PCMCIA and CF interface.
<b>SPD-080-12A</b>	80W AC-DC adapter
<b>MA-ATI</b>	Mini-AGP add-on card with ATI M10 graphic
<b>MA-DVI</b>	Mini-AGP add-on card with DVI interface
<b>MA-SDTV</b>	Mini-AGP add-on card with SDTV interface
<b>MP-323</b>	Mini-PCI add-on card with IEEE1394a interface

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

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