

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



Form Factor	Mini-ITX compact motherboard
CPU	Intel Pentium M/Celeron M Package: mPGA478/mBGA479 L2 Cache: 512KB/1MB/2MB Front side bus: 400MHz Optional Enhanced Intel SpeedStep® technology support
Memory	1 x 184-pin DDR266/333 SDRAM up to 1GB
Chipset	Intel 855GME and ICH4
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	Two UltraATA/100 IDE channels up to 4 ATAPI devices
VGA Interface	Intel 855GME builds in Intel Extreme Graphic 2 technology
Video Memory	Up to 64MB shared with system memory
Audio Interface	Intel ICH4 integrated with Realtek ALC655 5.1 CH AC97 Codec
LAN Interface	1 x Intel 82540EM Gigabit Ethernet Controller
LCD Interface	24-bit dual-channel LVDS interface up to 1600 x 1200
Solid State Disk	IDE1 supports DiskOnModule with +5V power supply 1 x Compact Flash Type II socket
GPIO interface	Onboard programmable 16-bit Digital I/O interface
Extended Interface	1 x Mini-PCI or 1 x Mini-AGP socket 1 x PCMCIA type II card bus slot 1 x slim type PCI slot
Internal I/O Port	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
External I/O Port	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

Power Requirement	DC 12V/19V auto-switching
Input Voltage Range	11V~13V for 12V power supply 16V~19V for 19V power supply
Input Current	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)
Dimension	170mm x 170mm
Temperature	Operating within 0~60 centigrade Storage within -20~85 centigrade
EMI Certification	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

LV-671-MA	Mini-ITX Socket 479 Pentium-M processor Motherboard with Intel Extreme VGA, LAN, 5.1-CH/SPDIF Audio, Hi-Speed USB 2.0, mini-AGP socket and LVDS interface.
LV-671-MP	Mini-ITX Socket 479 Pentium-M processor Motherboard with Intel Extreme VGA, LAN, 5.1-CH/SPDIF Audio, Hi-Speed USB 2.0, mini-PCI socket and LVDS interface.
LV-671-MAPM11	Same as LV-671-MA and with onboard Intel Pentium M 1.1GHz processor for ULV/LV version.
LV-671-MPPM11	Same as LV-671-MP and with onboard Intel Pentium M 1.1GHz processor for ULV/LV version.
LV-671-MACM6	Same as LV-671-MA and with onboard Intel Celeron M 600MHz processor for ULV/LV version.
LV-671-MPCM6	Same as LV-671-MP and with onboard Intel Celeron M 600MHz processor for ULV/LV version.
SPD-080-12A	80W AC-DC adapter
MA-ATI	Mini-AGP add-on card with ATI M10 graphic
MA-DVI	Mini-AGP add-on card with DVI interface
MA-HDTV	Mini-AGP add-on card with HDTV/SDTV interface

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

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