

Industrial Single Board Computer



Mini-ITX motherboard

LV-671Z

170mm x 170mm Platform

Intel Celeron® M with DDR266

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

LVDS, GPIO, Serial port, USB2.0

AC97 5.1-Channel Audio



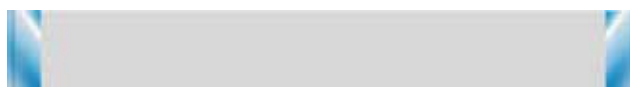
Form Factor	Mini-ITX compact motherboard
CPU	Onboard Intel Celeron M 600MHz Package: mBGA479 L2 Cache: none Front side bus: 400MHz Optional Enhanced Intel SpeedStep® technology support
Memory	1 x 184-pin DDR200/266 SDRAM up to 1GB
Chipset	Intel 852GM and ICH4
Real Time Clock	Chipset integrated RTC with 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 852GM 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 1400 x 1050 of resolution
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 (DVO support only) 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 19V/60W
Dimension	170mm x 170mm
Temperature	Operating within 0~60 centigrade Storage within -20~85 centigrade

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

Ordering Code

LV-671ZMA	Mini-ITX Embedded Intel Celeron 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-671ZMP	Mini-ITX Embedded Intel Celeron 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-671ZNSMA	Same as LV-671ZMA but without PCMCIA & Compact Flash on the solder side
LV-671ZNSMP	Same as LV-671ZMP but without PCMCIA & Compact Flash on the solder side
SPD-080-12A	80W AC-DC adapter
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>