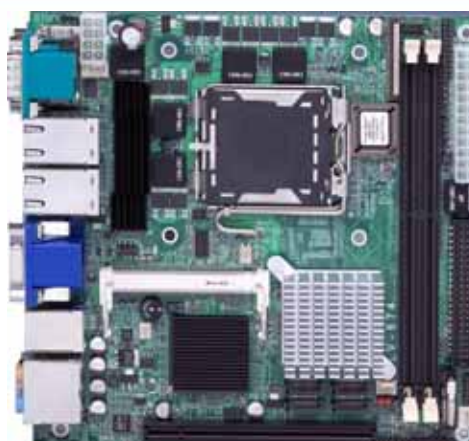


Industrial Single Board Computer

Mini-ITX^{express} motherboard

LV-674

Intel Pentium 4 LGA775 with DDRII
Onboard VGA, Gigabit LAN, Mini-PCI
PCI-Express, SATA, IEEE1394, USB2.0
High Definition 7.1 Channel Audio



Mini-ITX compact motherboard

CPU	Intel Pentium 4 /Pentium D and Celeron D processor Package type: PLGA775 Front side bus: 533/800/1066MHz Dual Core, EM64T supported
Memory	2 x DDRII 533/667MHz SDRAM up to 2GB
Chipset	Intel 945G & ICH7R
Real Time Clock	Chipset integrated RTC with onboard lithium battery
Watchdog Timer	Generates a system reset with internal timer for 1min/s ~ 255min/s
Power Management	ACPI 1.0 compliant, supports power saving mode with ATX PSU
PCI Enhanced IDE	One UltraATA/100 IDE interface supports up to 2 ATAPI devices Onboard 1 x 40-pin IDE connector
VGA Interface	Intel 945G integrated GMA (Graphic Media Accelerator) 950 Technology
Video Memory	Up to 224MB shared with system memory
Serial ATA interface	4 x Serial ATA II interface with 300MB/s transfer rate
Audio Interface	Intel ICH7R integrated with Realtek ALC880 7.1CH High Definition Audio
LAN Interface	4 x Marvell E8053 Gigabit Ethernet Controller
Solid State Disk	IDE1 supports DiskOnModule with +5V power supply
GPIO interface	Onboard programmable 8-bit Digital I/O interface
Extended Interface	1 x Onboard 16x PCI-Express slot (1x mode compatible) 1 x Mini-PCI socket
External I/O Port	4 x RJ45 LAN ports, 1 x DB15 VGA port and 1 x PS/2 Keyboard/Mouse Port, 2 x RS232 Serial Ports, 1 x IEEE1394 ports, 2 x USB2.0 ports
External Audio Port	Line-in, Line-out, MIC-in, Front, Rear, Center/Subwoofer and Side outputs
Internal I/O Port	1 x slim FDD, 1 x IrDA, 2 x USB2.0, 1 x IEEE1394 1 x CDIN, 1 x S/PDIF

Power Requirement	Standard 24-pin ATX power supply (20-pin is compatible)
Board Dimension	170mm x 170 mm (L x W)
Operation Temperature	Operating within 0~60 centigrade Storage within -20~85 centigrade

Ordering Code

LV-674	Intel Pentium 4 Mini-ITX motherboard with onboard VGA, 4 x Gigabit LAN, SATA II, USB 2.0 Ports, Audio, IEEE1394, 2 x RS232 serial port, Mini-PCI, PCI-Express
PCIE-SDVOD	PCI-Express add-on card for single DVI interface
PCIE-SDVOX	PCI-Express add-on card for 18/24-bit Dual Channel LVDS Panel
MP-954	Mini PCI RS232/422/485 port

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

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