

Industrial Single Board Computer



Mini-ITX^{express} motherboard

LV-673

Intel Pentium M/Celeron M

Onboard VGA, Dual Gigabit LAN

PCI-Express, SATA, USB2.0

LVDS, HDTV, Mini-PCI

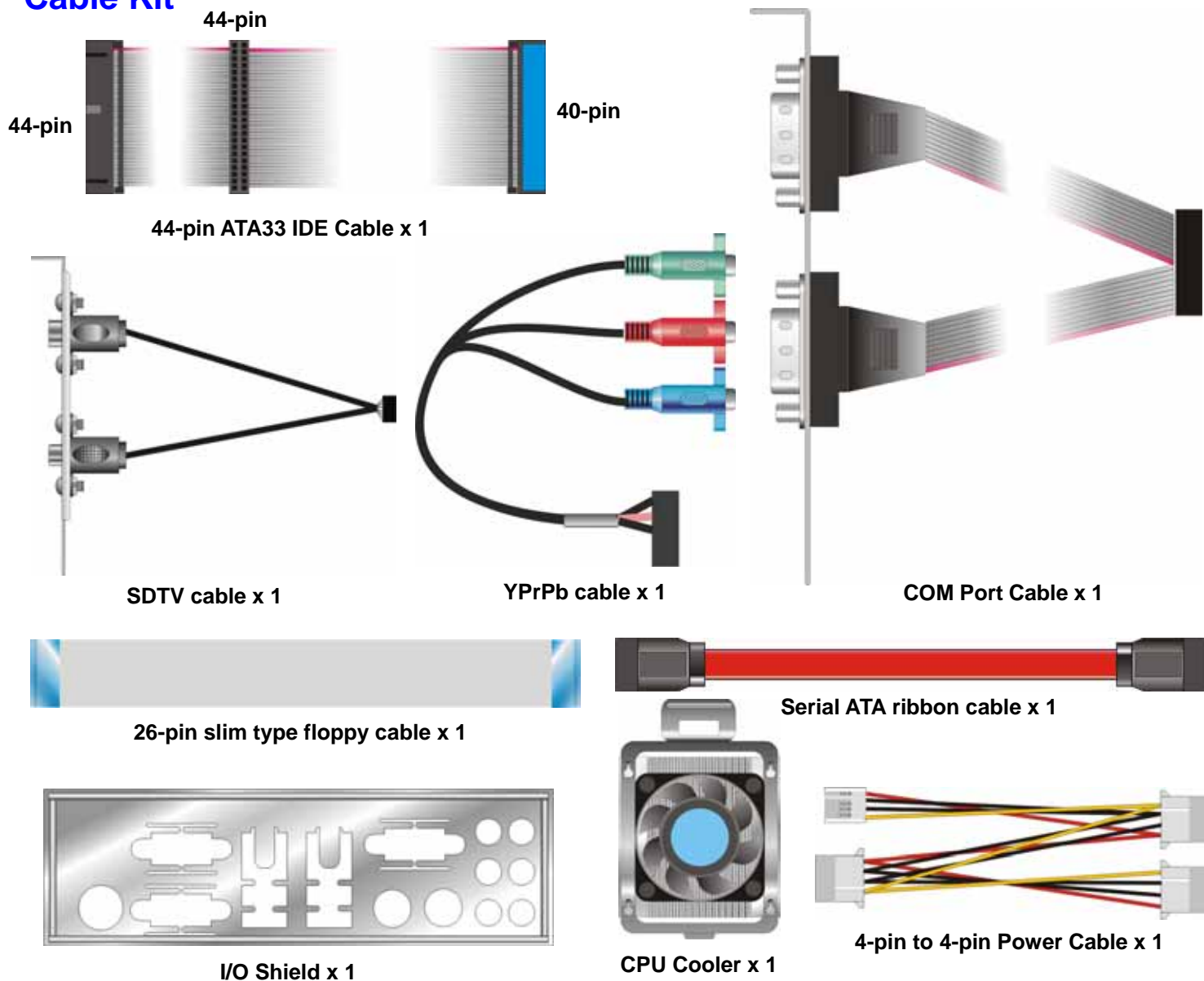
High Definition 7.1 Channel Audio



Form Factor	Mini-ITX compact motherboard
CPU	Intel Pentium M/Celeron M processor Package type: FC-PGA478 Front side bus: 400/533MHz
Memory	2 x DDRII 400/533MHz SDRAM up to 2GB
Chipset	Intel 915GM & ICH6-M
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 DC adapter
PCI Enhanced IDE	One UltraATA33 IDE interface supports up to 2 ATAPI devices One onboard 44-pin IDE connector
VGA Interface	Intel 915GM integrated GMA (Graphic Media Accelerator) 900 Technology Built-in HDTV and 18-bit dual channel LVDS interfaces
Video Memory	Up to 128MB shared with system memory
Serial ATA interface	2 x Serial ATA interfaces with 150MB/s transfer rate
Audio Interface	Intel ICH6-M integrated with Realtek ALC880 HD Audio
LAN Interface	2 x Marvell 8053 PCIE Gigabit LAN
Solid State Disk	IDE1 supports DiskOnModule with +5V power supply 1 x CompactFlash Card type I socket on solder side
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 1 x PCMCIA TYPE II slot on solder side
Internal I/O Port	2 x RS232 ports, 1 x slim FDD port, 1 x GPIO port, 1 x S/PDIF connector 1 x CDIN connector, 2 x USB ports, 1 x TV-out port, 1 x IrDA connector 1 x LVDS and 1 x LCD inverter connector 1 x 4-pin AT power connector with 5V/12V output 1 x 4-pin 12V input connector, Amplified Speaker out, Line-in/MIC-in
External I/O Port	2 x RJ45 LAN ports, 1 x DB15 VGA port and 1 x PS/2 Keyboard/Mouse Port, 2 x RS232 Serial Ports, 4 x USB2.0 ports, 1 x DC Mini-DIN
External Audio Port	Line-in, Front, MIC-in, Surround, Center, BackSurround

Power Requirement	DC 12V
Input Voltage Range	10.5V~13V for 12V power supply
Dimension	170mm x 170mm
Temperature	Operating within 0~60 centigrade Storage within -20~85 centigrade

Cable Kit



Ordering Code

LV-673	Intel Pentium M Mini-ITX motherboard with onboard VGA, Dual Gigabit LAN, SATA, USB 2.0 Ports, Audio, 4 x RS232 serial port, LVDS, HDTV, Mini-PCI, PCI-Express
PCIE-SDVOD	PCI-Express add-on card for single DVI interface
PCIE-SDVOD2	PCI-Express add-on card for dual DVI interface (not available yet)
MP-323	Mini-PCI module for IEEE1394a

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

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