

# Industrial Single Board Computer



## Mini-ITX<sup>express</sup> motherboard

### LV-673

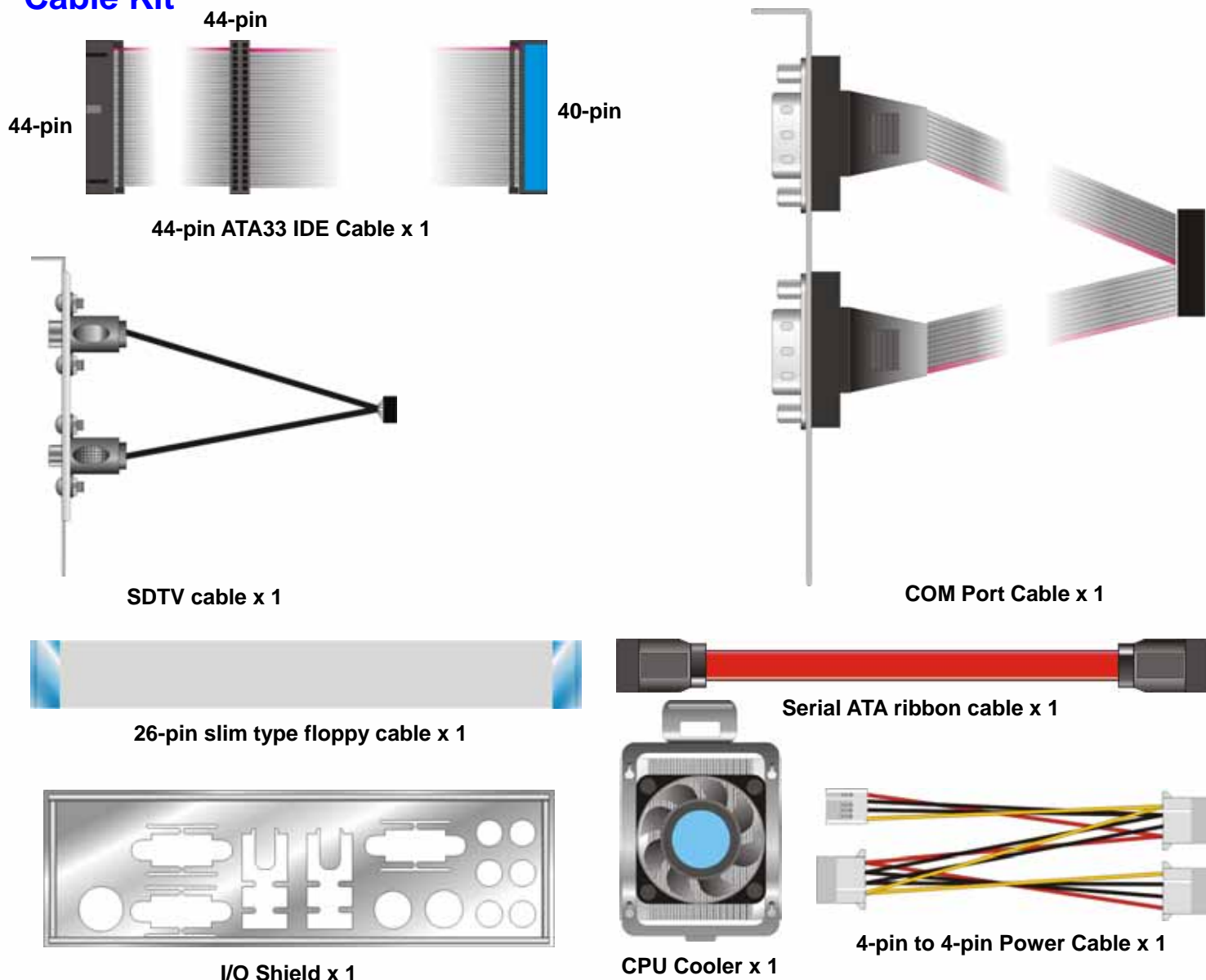
Intel Pentium M/Celeron M  
Onboard VGA, Dual Gigabit LAN  
PCI-Express, SATA, USB2.0  
LVDS, Mini-PCI  
High Definition 7.1 Channel Audio



<b>Form Factor</b>	Mini-ITX compact motherboard
<b>CPU</b>	Intel Pentium M/Celeron M processor Package type: FC-PGA478 Front side bus: 400/533MHz
<b>Memory</b>	2 x DDRII 400/533MHz SDRAM up to 2GB
<b>Chipset</b>	Intel 915GM & ICH6-M
<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 DC adapter
<b>PCI Enhanced IDE</b>	One UltraATA33 IDE interface supports up to 2 ATAPI devices One onboard 44-pin IDE connector
<b>VGA Interface</b>	Intel 915GM integrated GMA (Graphic Media Accelerator) 900 Technology 18-bit dual channel LVDS interfaces
<b>Video Memory</b>	Up to 128MB shared with system memory
<b>Serial ATA interface</b>	2 x Serial ATA interfaces with 150MB/s transfer rate
<b>Audio Interface</b>	Intel ICH6-M integrated with Realtek ALC880 HD Audio
<b>LAN Interface</b>	2 x Marvell 8053 PCIE Gigabit LAN
<b>Solid State Disk</b>	IDE1 supports DiskOnModule with +5V power supply 1 x CompactFlash Card type I socket on solder side
<b>GPIO interface</b>	Onboard programmable 8-bit Digital I/O interface
<b>Extended Interface</b>	1 x Onboard 16x PCI-Express slot (1x mode compatible) 1 x Mini-PCI socket 1 x PCMCIA TYPE II slot on solder side
<b>Internal I/O Port</b>	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 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
<b>External I/O Port</b>	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
<b>External Audio Port</b>	Line-in, Front, MIC-in, Surround, Center, BackSurround

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

## Cable Kit



### Ordering Code

<b>LV-673</b>	Intel Pentium M Mini-ITX motherboard with onboard VGA, Dual Gigabit LAN, SATA, USB 2.0 Ports, Audio, 4 x RS232 serial port, LVDS, Mini-PCI, PCI-Express
<b>LV-673NS</b>	Same as above but without PCMICA and CF socket
<b>PCIE-SDVOD</b>	PCI-Express add-on card for single DVI interface
<b>MP-323</b>	Mini-PCI module for IEEE1394a

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

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