

# Industrial Single Board Computer

## Mini-ITX motherboard

### LV-671

Intel® Atom™ Processor with DDRIII SO-DIMM, VGA, DVI, LVDS, Gigabit LAN, USB2.0, HD Audio, Serial ATAll, PCI, Mini PCI, PCIE mini card, LPC, LPT



<b>Form Factor</b>	Mini-ITX Motherboard
<b>CPU</b>	Intel® Atom™ CedarTrail Processor with optional D2700 or N2800 Package type : FCBGA559
<b>Memory</b>	2 x DDRIII SO-DIMM 800/1066 MHz up to 4GB,(SO-DIMM2 Primary) Support Non-ECC, unbuffered memory only
<b>Chipset</b>	Intel® NM10
<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/s ~ 255min/s
<b>Power Management</b>	Supports ACPI 3.0 compliant
<b>Serial ATA Interface</b>	2 x serial ATAll interface with 300MB/s transfer rate
<b>Integrated Graphics</b>	Intel® integrated extreme GMA 3650(Graphic Media Accelerator) Technology
<b>VGA Interface</b>	Onboard DSUB15 connector for VGA interface
<b>LVDS Interface</b>	Onboard 18-bit single channel LVDS connector with +3.3V/+5V supply ( N2800 ) Onboard 18 and 24-bit single channel LVDS connector with +3.3V/+5V supply ( D2700 )
<b>DVI interface</b>	Onboard DVI interface with 20-pin connector
<b>Audio Interface</b>	REALTEK ALC888 HD Audio
<b>LAN Interface</b>	2 x Intel® 82583V Gigabit Ethernet controller
<b>GPIO Interface</b>	Onboard programmable 8-bit Digital I/O interface
<b>Extended Interface</b>	1 x PCI slot, 1 x mini PCI, 1 x PCIE mini card
<b>Internal I/O Port</b>	3 x RS232,1 x SMBUS, 1 x GPIO, 2 x USB2.0 ports, 1 x IrDA, 1 x DVI , 1 x LVDS, 2 x Serial ATAll, 1 x LPT, 1x LPC, 1 x HD Audio and 1 x CDIN
<b>External I/O Port</b>	1 x PS/2, 2 x RJ45, 1 x VGA, 4 x USB2.0, 1 x RS232/422/485, 2 x RS232, 1 x SPDIF and 1 x HD Audio
<b>Power Requirement</b>	Standard 20-pin ATX power supply or 9~24V full range DC Input
<b>Dimension</b>	170mm x 170mm
<b>Temperature</b>	Operating within 0~60 centigrade Storage within -20~85 centigrade

#### Ordering Code

<b>LV-671D</b>	Support Intel® Atom™ CedarTrail D2700 processor with Onboard VGA, LVDS, DVI, Giga LAN, USB2.0, HD Audio, SATAII, SMBUS, LPC, LPT, GPIO, PCI, Mini PCI, PCIE mini card.
<b>LV-671N</b>	Support Intel® Atom™ CedarTrail N2800 processor with Onboard VGA, LVDS, DVI, Giga LAN, USB2.0, HD Audio, SATAII, SMBUS, LPC, LPT, GPIO, PCI, Mini PCI, PCIE mini card.

