

Industrial Single Board Computer

Mini-ITX motherboard

LV-67I

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



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

Ordering Code

LV-67ID	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.
LV-67IN	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.

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