

# Industrial Single Board Computer

## Mini-ITX Motherboard

### LV-67N

Support 4<sup>th</sup> Generation Intel® Core™ i7, Core™ i5, Core™ i3, Celeron and Pentium CPU with Onboard VGA, DVI, LVDS, Display port, HD Audio, Serial ATAIII, USB3.0 & 2.0, Gigabit LAN, PCIE X16, PCIE Mini card, mSATA



<b>Form Factor</b>	Mini-ITX motherboard
<b>CPU</b>	Supports 4 <sup>th</sup> Generation Intel® Core™ i7/ i5/ i3/Celeron/Pentium Desktop Processor. Package type: FCLGA1150
<b>Memory</b>	Two DDR3/DDR3L (support 1.5V) 1333/1600 DIMM up to 16GB
<b>Chipset</b>	Intel® Q87 PCH
<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 4.0 compliant
<b>Serial ATA Interface</b>	Intel® Q87 PCH built-in 4 x Serial ATAIII interface up to 600MB/s Support RAID 0, 1, 5, 10 and Intel Rapid Storage Technology.(not support SATA II device)
<b>VGA Interface</b>	Intel® Clear Video integrated HD Graphics Technology
<b>DVI Interface</b>	Onboard DVI connector
<b>LVDS Interface</b>	Onboard 24-bit dual channel LVDS connector with +3.3V/+5V/+12V supply
<b>Display port Interface</b>	Onboard Display port connector
<b>Audio Interface</b>	Intel® integrated Q87 with Realtek ALC888 HD Audio.
<b>LAN Interface</b>	1 x Intel® I210 Gigabit LAN 1 x Intel® I217-LM Gigabit LAN
<b>GPIO interface</b>	Onboard programmable 8-bit Digital I/O interface.
<b>Extended Interface</b>	One PCIE X 16 slot, Two PCIE Mini card, One SIM socket (Optional support mSATA(SATAIII) for Mini_Card1)
<b>Internal I/O Port</b>	2 x RS232, 1 x GPIO port, 1 x Audio connector, 1 x IrDA connector, 1 x SMBUS connector, 1 x CRT, 1 x LVDS, 1 x LPC, 4 x USB2.0 and 2 x USB3.0 ports, 4 x SATAIII
<b>External I/O Port</b>	1 x PS/2 Keyboard/Mouse Port, 1 x RS232, 1 x RS232/422/485, 1 x DVI port, 1 x Display port, 2 x RJ45 LAN ports and 4 x USB3.0 ports.
<b>External Audio</b>	Line-in, MIC-in, Front, Rear, Center/Subwoofer.
<b>Power Requirement</b>	Standard 24-pin ATX power supply (20-pin is compatible) and P4 4-pin 12V
<b>Dimension</b>	170mm x 170mm (L x W)
<b>Temperature</b>	Operating within 0~60 centigrade Storage within -20~85 centigrade

#### Ordering Code

<b>LV-67N</b>	Onboard DVI, Display Port, CRT, LVDS, 2 x Gigabit LAN, USB3.0 & 2.0, Serial Port, SATAIII, IrDA, Realtek HD Audio, PCIE Mini card, PCIE x16, SMBUS, GPIO, SIM, LPC, mSATA.
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#### Taiwan Commate Computer Inc.

8F, 19F NO. 94, Sec. 1, Shin Tai Wu Rd., Hsi Chih, Taipei Shien, Taiwan.

TEL: +886-2-26963909

Website:[www.commell.com.tw](http://www.commell.com.tw)

FAX: +886-2-26963911

E-mail:[info@commell.com.tw](mailto:info@commell.com.tw)



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