

LV-67U



Features

- Intel® Apollo Lake Series Processor
- 2 x DDR3L SO-DIMM 1866 MHz up to 8GB
- Integrated HDMI, DisplayPort or DVI, LVDS for Triple display supports
- 2 x Intel® Gigabit LAN,
- 1 x MiniPCIe support mSATA
- 2 x SATA3, 4 x USB2.0, 4 x USB3.0, 6 x COM, 1 x LPC
- 1 x GPIO, 1 x PS/2, 1 x SIM Slot, 1 x MINIPCI, 1 x PCI Slot, 1 x CFAST, 1 x SD Card
- Support Watchdog Timer
- Support 4K resolution

System

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|------------------------|---|
| Processor | Intel® Apollo Lake Series Processor N3350/N4200/x7-E3950, FCBGA1296 package |
| Chipset | Apollo Lake SoC |
| Memory | 2 x DDR3L DIMM 1866 MHz up to 8GB, Support Non-ECC, unbuffered memory only |
| Watchdog Timer | Generates a system reset with internal timer for 1 min/s ~ 255 min/s |
| Real Time Clock | Chipset integrated RTC with onboard lithium battery |
| Expansion | 1 x MiniPCIe (support mSATA) 1 x SIM slot, 1 x MiniPCI, 1 x PCI Slot (Note2), 1 x CFAST Card(Optional), 1 x SD Card |

Graphics

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| Chipset | Intel® HD Graphics |
| Display Interface | 1 x LVDS (Note1), 1 x DVI (Note3) 1 x HDMI, 1 x DisplayPort (Note3) |

LAN

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|-------------|--------------------------------|
| Chip | 2 x Intel® I210-AT Gigabit LAN |
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I/O

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|---------------------|--|
| Serial ATA | 2 x SATA3 interface with 600MB/s transfer rate CFAST Card socket (shared with SATA3-2) (Optional) |
| Audio | Realtek ALC262 HD Audio |
| Internal I/O | 2 x SATA3, 4 x RS232, 4 x USB2.0, 1 x LPC 1 x GPIO, 1 x PS/2, 1 x SMBus, 1 x I ² C, 1 x Audio, 1 x LVDS (Note1), 1 x LCD inverter |
| Rear I/O | 4 x USB3.0, 2 x LAN, 2 x RS232/422/485 (Note5), 1 x Audio 1 x HDMI, 1 x Display Port (Note3), 1 x DVI (Note3) |

Mechanical & Environmental

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|--------------------------|---|
| Power Requirement | Standard 24-pin ATX power supply or 4-pin DC 6~30V |
| Size | 170mm x 170mm (L x W) |
| Temperature | Operating within 0°C~60°C Storage within -20°C~80°C (For LV-67U N3350/N4200 Series) Operating within -40°C~85°C Storage within -40°C~85°C (For LV-67U x7-E3950 Series) |
| Relative Humidity | 10%~90%, non-condensing |

Ordering Code

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|-------------------------------------|---|
| LV-67UPN4: | With N4200 + Heat Sink, support LVDS, DVI / DP, HDMI, 2 x SATA3 |
| LV-67UTN4: | With N4200 + Heat Sink, support LVDS, DVI /Header for VGA or 2nd LVDS (Note4), HDMI, 2 x SATA3 |
| LV-67UPN3: | With N3350 + Heat Sink, support LVDS, DVI, HDMI, DP, 2 x SATA3 |
| LV-67UTN3: | With N3350 + Heat Sink, support LVDS, DVI /Header for VGA or 2nd LVDS (Note4), HDMI, 2 x SATA3 |
| LV-67UPE | With x7-E3950 + Heat Sink, support LVDS, DVI, HDMI, DP, 2 x SATA3 |
| LV-67UTE | With x7-E3950 + Heat Sink, support LVDS, DVI /Header for VGA or 2nd LVDS (Note4), HDMI, 2 x SATA3 |
| ADP-3355: | DisplayPort to VGA module |
| ADP-3355NB: | DisplayPort to VGA module, without bracket |
| ADP-3460: | DisplayPort to LVDS module (For 2 nd LVDS) |
| DSDM8GB-DDR3L-1600-SO-1.35V: | DDR3L SO-DIMM 8GB 1600MHz 204PIN 1.35V |

Note1: Onboard 18/24-bit single/dual channel +3.3V/ +5V/ +12V LVDS

Note2: Support two PCI slots by PCI riser card

Note3: DVI and DisplayPort can't use at the same time

Note4: Add ADP-3355 supports VGA or Add ADP-3460 supports 2nd LVDS.

Note5: Support isolated RS-422/485 transceiver (Optional)