LV-67X

Features

- Support 8th & 9th Gen Intel® Core™ Desktop Processors
- 2 x DDR4 DIMM 2666 MHz up to 32GB
- Integrated VGA, DVI, DisplayPort, HDMI, LVDS for Triple display support
- 1 x Intel® Gigabit PHY LAN, 1 x Intel® Gigabit LAN,
- 1 x MiniPCIe, 1 x Half Size MiniPCIe
- 3 x SATA3, 1 x PS/2, 1 x LPC, 1 x GPIO, 1 x SIM Slot
- 2 x RS232/RS422/RS485, 4 x RS232
- 6 x USB3.1 Gen2, 4 x USB2.0
- Support Watchdog Timer
- Support 4K resolution
- Standard 24-pin ATX power supply and 4-pin 12V

System

Processor	Support 8th & 9th Gen Intel® Core™ Desktop Processors, FCLGA1151 package (Support up to 65W TDP)(Note1)
Chipset	Intel® Q370
Memory	2 x DDR4 DIMM 2666 MHz up to 32GB, Support Non-ECC, unbuffered memory (i3, Pentium, Celeron CPU support 2400 MHz 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 Half Size MiniPCIe 1 x SIM slot 1 x PCIe X16 slot

Graphics

Processor	Intel® UHD Graphics
Display Interface	1 x DVI, 1 x DisplayPort(optional), 1 x VGA, 1 x HDMI 1 x LVDS (Note2)

LAN

Chip	1 x Intel® I219-LM Gigabit PHY LAN (Support Intel® AMT 12) 1 x Intel® I210-AT Gigabit LAN

I/O

Serial ATA	3 x SATA3
Audio	Realtek ALC262 HD Audio
Internal I/O	3 x SATA3, 4 x RS232, 4 x USB2.0, 2 x USB3.1 Gen2, 1 x LVDS, 1 x LCD inverter, 1 x LPC, 1 x GPIO, 1 x Audio, 1 x PS/2, 1 x SMBus, 1 x VGA
Rear I/O	1 x DisplayPort(optional), 1 x DVI, 1 x HDMI, 4 x USB3.1 Gen2 , 2 x LAN, 2 x RS232/422/485, 1 x Audio.

Mechanical & Environmental

Power Requirement	Standard 24-pin ATX power supply and 4-pin 12V
Size	170mm x 170mm (L x W)
Temperature	Operating within 0°C~60°C (32°F~140°F) Storage within -20°C~80°C (-4°F~176°F)
Relative Humidity	10%~90%, non-condensing

Ordering Code

LV-67X:	8th & 9th Gen Intel® Core™ Desktop Processors , support HDMI, LVDS, VGA, DVI, DP
LV-67XT:	8th & 9th Gen Intel® Core™ Desktop Processors , support HDMI, LVDS, VGA, DVI, Header for 2nd VGA or 2nd LVDS (Note3)
ADP-3355:	DisplayPort to VGA module
ADP-3355NB:	DisplayPort to VGA module, without bracket
ADP-3460:	DisplayPort to LVDS module

Note1: 8 cores TDP 65W CPU is not supported.(E.g. i7-9700E)
Note2: Onboard 18/24-bit single/dual channel +3.3V/ +5V/ +12V LVDS
Note3: There are two modules ADP-3355,ADP-3460; you can choose the one to support 2nd VGA or 2nd LVDS

Taiwan Commate Computer Inc.   www.commell.com.tw
19F., NO. 94, Sec. 1, Xintai 5th Rd., Xizhi Dist., New Taipei City 22102, Taiwan.
TEL: +886-2-26963909
E-mail: info@commell.com.tw