LS-57A – 5.25" SBC with Intel® 12th & 13th Gen Intel® Core™ Desktop Processor Support

The LS-57A is an embedded 5.25" Single Board Computer based on the 12th & 13th Gen Intel® Core™ Desktop Processor family. With support for DDR5 memory, this board is more than capable of multi-tasking and is perfectly suited to multiple industrial environments.

SPECIFICATIONS

CPU	Intel® 12th and 13th Generation processors up to 65W TDP
CPU Socket	FCLGA1700
Memory Type	262-pin DDR5 4800MHz SO-DIMM
Memory Slots	2
Maximum Memory Supported	64GB
Chipset	Intel® Q670E
Integrated Graphics	Intel® UHD Graphics 770/730/710
Watchdog Timer	Generates a system reset with internal timer for 1 min/s ~ 255 min/s
Video	1 x HDMI, 1 x DisplayPort, 1 x LVDS
LAN	3 x Intel® I226-LM Gigabit Ethernet Controller, 1 x Intel® I219-LM Gigabit PHY LAN
Serial ATA (SATA)	3 x SATA III
Digital I/O	8-bit, onboard programmable
Extended Interface	1 x PCIe Mini card (Support mSATA), 1 x SIM slot, 2 x M.2 M-Key 2242/2260/2280 PCIe Gen4 , 1 x M.2 E-Key 2230
Rear I/O	1 x DisplayPort, 1 x HDMI, 5 x USB3.2 Gen2, 1 x USB3.1 Gen1, 4 x LAN
Internal I/O	3 x SATA3, 2 x RS232/422/485, 2 x RS232, 2 x USB2.0, 1 x LVDS, 1 x LCD inverter, 1 x GPIO, 1 x Audio (MIC-in & Line-out), 1 x SMBUS
Audio	Realtek ALC262 HD Audio
Power Requirement	Standard 24-pin ATX power supply or 4-pin 9~28V DC input
Dimensions	8.00" x 5.75" (203mm x 146mm)
Operating Temperature	32 ~ 140˚F (0 ~ 60˚C)
Storage Temperature	-4 ~ 176°F (-20 ~ 80°C)
Relative Humidity	10 ~ 90% (non-condensing)

OS Software Supported	Windows 10 64-bit
Global P/N / SKU	3308938

Ordering Options

LS-57A (SKU# 3308938): 5.25" SBC with Intel® 12th & 13th Gen Intel® Core™ Desktop Processor Support
Please contact sales for added options that support VGA or 2nd LVDS.

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