



## LE-37P – 3.5" Tiger Lake Generation H Mini Board

The LE-37P features Intel's® 11th Generation Tiger Lake Chipset in a compact form factor. Based on UHD Integrated Graphics, the onboard GPU offers 32 EUs clocked up to 1350MHz with triple displays that can be controlled simultaneously making this a powerful option for all industrial applications that require power and high end graphics.

### SPECIFICATIONS

<b>CPU</b>	Intel® Core i7-11850HE
<b>Memory Type</b>	260-pin DDR4 3200 MHz SO-DIMM
<b>Memory Slots</b>	1
<b>Maximum Memory Supported</b>	32 GB
<b>Chipset</b>	Intel® QM580E / RM590E
<b>Watchdog Timer</b>	Generates a system reset with internal timer for 1min/s ~ 255min/s
<b>Integrated Graphics</b>	Intel® 11th Gen integrated UHD Graphics
<b>Video</b>	1 x LVDS, 1 x DP, 1 x HDMI
<b>LAN Ports</b>	1 x Intel® I219-LM Gigabit LAN (Support Intel® AMT 15.0), 1 x Intel® I225-LM Gigabit LAN (Up to 2.5GbE)
<b>Serial ATA (SATA)</b>	2 x SATA III (RAID 0,1 and Rapid Storage Technology)
<b>Digital I/O</b>	8-bit, onboard programmable
<b>Extended Interface</b>	1 x MiniPCIe with SIM slot (mSATA), 1 x M.2 M-key (2280, PCIe Gen4 and SATA), 1 x M.2 M-Key (2280 support PCIe Gen4), 1 x M.2 E-Key (2230 for Wi-Fi and Bluetooth)
<b>Rear I/O</b>	1 x DP, 1 x HDMI, 6 x USB3.2 Gen2, 2 x LAN, 1 x DC jack 2 x SATA3, 2 x RS232/422/485, 2 x RS232, 2 x USB2.0, 1 x LVDS, 1 x LCD
<b>Internal I/O</b>	Inverter Connector, 1 x GPIO, 1 x SMBus, 1 x Audio (MIC-in & Line-out), 1 x USB3.2 Gen2 (Type E)
<b>Audio</b>	Realtek ALC888S HD Audio
<b>Power Requirement</b>	DC input 9 ~ 35V
<b>Dimensions</b>	5.75" x 3.98" (146mm x 101mm)
<b>Operating Temperature</b>	32 ~ 140 F (0 ~ 60 C )
<b>Storage Temperature</b>	-20 ~ 80 °C (-4 ~ 176 °F)
<b>Relative Humidity</b>	10 ~ 90% (non-condensing)

OS Software Supported	Windows 10 64bit
Global P/N / SKU	3308933