



## **MANO566 – Mini-ITX with 12th Gen Intel® Core™ i9/i7/i5/i3 Support**

The MANO566 Mini-ITX board supports Intel's® 12th Gen Core™ processors, up to 64GB of RAM, 8 total USB, M.2 NVme support, PCIe x16, and 4 COM ports. The rich I/O selection and small form factor is excellent for industrial applications that are limited in space.

### **SPECIFICATIONS**

<b>CPU</b>	12th gen Intel® Core™ i7/i5/i3, Pentium®, Celeron® Processor (up to 65W)
<b>Chipset</b>	Intel® Q670E
<b>Memory Type</b>	260-pin DDR4-3200 SO-DIMM
<b>Memory Slots</b>	2
<b>Maximum Memory Supported</b>	64GB
<b>Integrated Graphics</b>	Intel® UHD Graphics 700 series engine
<b>Audio</b>	Realtek ALC888S
<b>Video</b>	1 x DisplayPort++, 1 x eDP, 2 x HDMI
<b>LAN Ports</b>	2 x Intel® I226-LM 10/100/1000/2500 Mbps
<b>Serial ATA (SATA)</b>	2 x SATA III

<b>TPM</b>	Onboard TPM 2.0
<b>Watchdog Timer</b>	255 levels, 1 to 255 sec
<b>Extended Interface</b>	1 x M.2 Key M 2280 supports NVMe, 1 x M.2 Key E 2230, 1 x M.2 Key B 3052/3042, 1 x PCIe x16
<b>Rear I/O</b>	Audio MIC-in/Line-out, 2 x LAN, 4 x USB 3.2, 2 x HDMI, 1 x DP, 2 x COM
<b>Internal I/O</b>	4 x USB 2.0, 2 x COM, 8-channel in/out Digital I/O
<b>Power Requirement</b>	24 + 8-pin ATX connector
<b>Operating Temperature</b>	0°C ~ 60°C (32°F ~ 140°F)
<b>Relative Humidity</b>	10 ~ 95% (non-condensing)
<b>OS Software Supported</b>	Windows 10 64-bit, Windows 11 64-bit
<b>Global P/N / SKU</b>	2809171

## Ordering Options

MANO566 (SKU# 2809171): Mini-ITX SBC with LGA1700 socket 12th Gen Intel® Core™ processor support, Intel® Q670E chipset