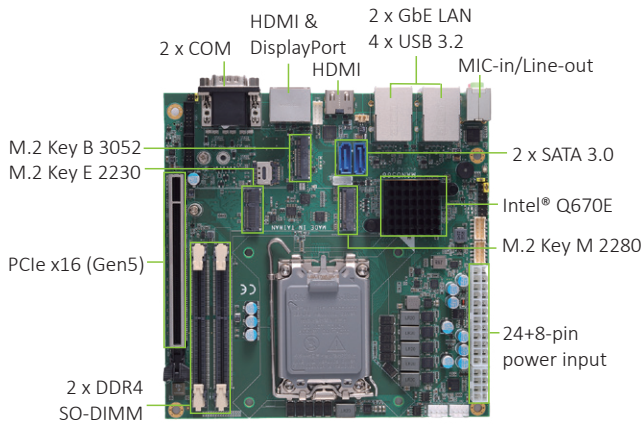


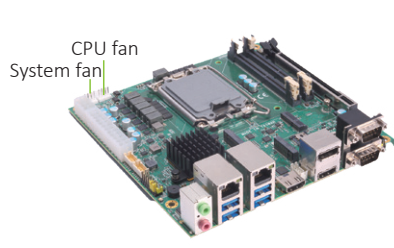
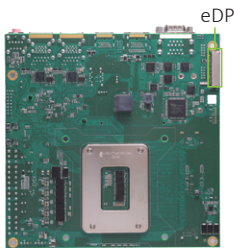
# MAN0566 NEW

Mini-ITX SBC with LGA1700 Socket 14th/13th/12th Gen Intel® Core™ Processor, Intel® Q670E/R680E/H610E, 2 HDMI, DisplayPort++, eDP, 2 GbE LAN, and HD Audio



## Features

- LGA1700 socket 14th/13th/12th gen Intel® Core™ i9/i7/i5/i3 processor
- Intel® Q670E/R680E/H610E chipset
- 2 DDR4 SO-DIMM for up to 64GB of memory
- 4 USB 3.2 and 4 USB 2.0
- 4 COM ports
- 2 SATA-600 and 1 M.2 Key M 2280
- 1 PCIe x16, 1 M.2 Key E 2230, and 1 M.2 Key B 3052/3042



## Specifications

### Core System

CPU	LGA1700 socket 14th/13th/12th gen Intel® Core™ i9/i7/i5/i3 or Celeron® processor (up to 65W)
System Memory	2 x 260-pin DDR4-3200 SO-DIMM, up to 64GB
Chipset	Intel® Q670E/R680E/H610E
BIOS	AMI
SSD	1 x M.2 Key M 2280 with support for NVMe
Watchdog Timer	255 levels, 1 to 255 sec.
Expansion Interface	1 x PCIe x16 1 x M.2 Key E 2230 1 x M.2 Key B 3052/3042
Battery Lithium	Lithium 3V/220mAH
Power Input	24+4-pin ATX connector Supports AT Mode Auto Power function

### Display

Chipset	Intel® UHD Graphics 700 series engine
Memory Size	Share system memory
Display Interface	1 x DisplayPort++ 1 x eDP 2 x HDMI

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## I/O

SATA	2 x SATA-600
Hardware Monitoring	Detect CPU/system temperature, voltage, and fan speed
Ethernet	2 x 10/100/1000/2500 Mbps Ethernet with Intel® I226-LM and with Wake-on-LAN and PXE Boot ROM supported
Audio	HD Codec audio as MIC-in/Line-out with Realtek ALC888S
USB	4 x USB 3.2 4 x USB 2.0
Serial	4 x RS-232/422/485 (with +5V/+12V power)
TPM	Onboard TPM 2.0
Digital I/O	8-channel in/out programmed

## Mechanical and Environmental

Dimensions	170 x 170 mm
Board Thickness	1.6 mm
Operating Temperature	0°C to +60°C (+32°F to +140°F)
Humidity	10% to 95% relative humidity, non-condensing

## Packing List

I/O bracket

## Ordering Information

### Standard

MANO566-Q670E-S (P/N: E38M566100)	Mini-ITX SBC with LGA1700 socket 14th/13th/12th gen Intel® Core™ processor, Intel® Q670E, 2 HDMI, DisplayPort++, eDP, 2 GbE LAN, HD audio, and bulk packing
MANO566-H610E-S (P/N: E38M566101)	Mini-ITX SBC with LGA1700 socket 14th/13th/12th gen Intel® Core™ processor, Intel® H610E, 2 HDMI, DisplayPort++, eDP, 2 GbE LAN, HD audio, and bulk packing
MANO566-R680E-S (P/N: E38M566102)	Mini-ITX SBC with LGA1700 socket 14th/13th/12th gen Intel® Core™ processor, Intel® R680E, 2 HDMI, DisplayPort++, eDP, 2 GbE LAN, HD audio, and bulk packing