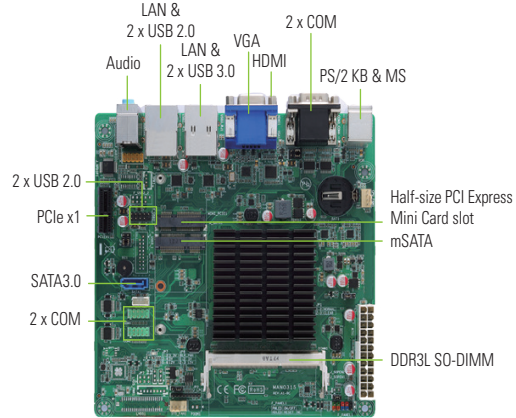


# MANO315

Mini-ITX SBC with Intel® Celeron® Processor J3355 VGA, HDMI, USB 3.0, PCI Express Mini Card Slot, mSATA and HD Audio

## Features

- Intel® Celeron® processor J3355 (Apollo Lake)
- DDR3L SO-DIMM for up to 8GB of memory
- 1 PCI Express Mini Card slot and PCIe x1
- 2 USB 3.0 and 4 USB 2.0
- 1 SATA-600 and 1 mSATA
- 4 COM supported
- Standard ATX 24-pin power
- VGA and HDMI supported



▲ Side view



### Core System

CPU	Intel® Celeron® J3355
System Memory	1 x 204-pin DDR3L-1866 SO-DIMM, up to 8GB
Chipset	SoC integrated
BIOS	AMI
SSD	1 x mSATA
Watchdog Timer	255 levels, 1 to 255 sec.
Expansion Interface	1 x PCIe x1 1 x PCI Express Mini Card slot
Battery	Lithium 3V/220 mAh
Power Input	Standard ATX 24-pin power
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

### Display

Chipset	Intel® integrated Gfx graphic engine
Memory Size	Shared memory
Display Interface	1 x VGA 1 x HDMI

### Packing List

<b>Standard</b>	User's manual/utility CD and I/O bracket/heatsink
-----------------	---

### Ordering Information

<b>Standard</b>	
MANO315VHGGGA-J3355 (P/N: E38M315100)	Mini-ITX SBC with Intel® Celeron® processor J3355 (2.0 to 2.5 GHz, 2MB cache, 10W), VGA, HDMI, 2 GbE LAN, 4 COM, USB 3.0, PCI Express Mini Card slot and HD audio

<b>Optional</b>	
593M8810300E	COM port cable, P=2.0 mm, L=300 mm
594M5002A00E	6-pin wafer to PS/2 cable, P=2.0 mm, L=200 mm
59384500100E	Audio cable with bracket, P=2.0 mm, L=420 mm
59386831000E	2-port USB cable with bracket, 5-pin header, P=2.54 mm, L=180 mm
594P8800600E	SATA power cable, 4-pin to 15-pin, P=2.0 mm, L=200 mm
593M8400400E	Audio cable, P=2.54 mm, L=300 mm

### I/O

SATA	1 x SATA-600
Ethernet	2 x 10/100/1000 Mbps Ethernet with Realtek RTL8111F; support Wake-on-LAN, PXE Boot ROM
Audio	HD Codec audio as Mic-in/Line-out with Realtek ALC662
USB	2 x USB 2.0 (internal) 2 x USB 3.0 2 x USB 2.0 (rear I/O)
Serial	2 x RS-232 (rear I/O with +5V supported) 2 x RS-232
PS/2 Combo Port	1 x PS/2 keyboard and mouse
TPM	N/A
SMBus	N/A
Digital I/O	N/A

## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

### US

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +1 347 719 4508  
Support: +1 347 719 4508

1309 Coffeen Ave  
Ste 1200  
Sheridan  
WY 82801  
USA

### EMEA

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +44 (0)1785 879 050  
Support: +44 (0)1785 879 050

Unit A5 Douglas Park  
Stone Business Park  
Stone  
ST15 0YJ  
United Kingdom

VAT Number: 120 9546 28  
Business Registration Number: 07699660