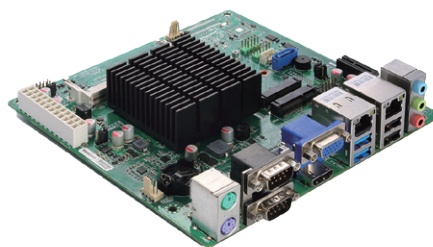
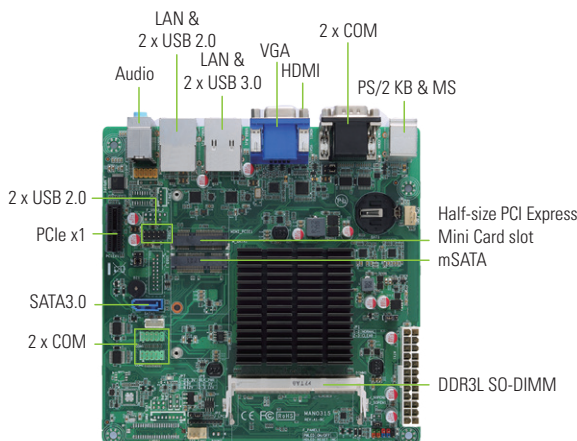


MANO315

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

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

Display

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

Packing List

Standard	User's manual/utility CD and I/O bracket/heatsink
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Ordering Information

Standard	MANO315VHGA-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
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Optional	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