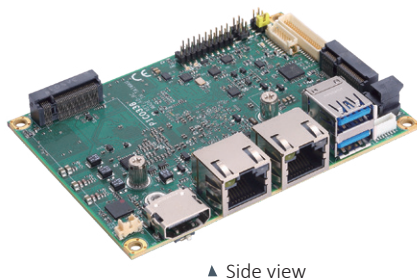
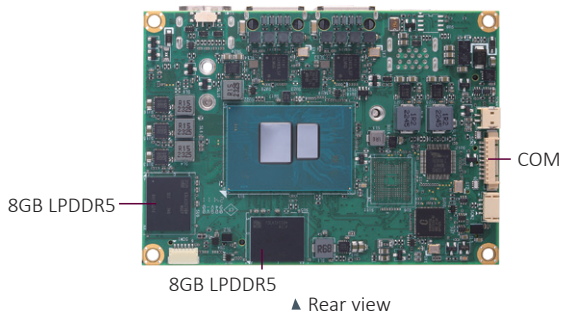
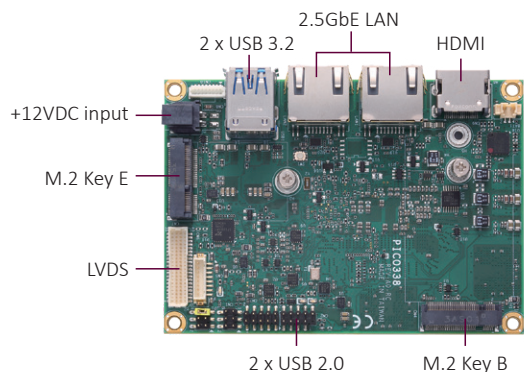


PIC0338 NEW

Pico-ITX SBC with Intel® Processor N97, N150/Core™ i3-N305 Processor, HDMI, LVDS, and Two 2.5GbE LAN



Features

- Intel® Processor N97, N150/Core™ i3-N305 processor
- 8GB or optional 16GB LPDDR5 on board
- Two 2.5GbE LAN ports
- M.2 Key B
- M.2 Key E

Specifications

Core System

CPU	Intel® Processor N97, N150/Core™ i3-N305 processor
System Memory	8GB LPDDR5 onboard (16GB optional)
Chipset	SoC integrated
BIOS	AMI
SSD	1 x M.2 Key B 2242 (PCIe x2/USB 2.0) 1 x PCIe NVMe SSD onboard, up to 512GB (optional)
Watchdog Timer	255 levels, 0 to 255 sec.
Expansion Interface	1 x M.2 Key E 2230 (PCIe x1/USB 2.0) 1 x M.2 Key B 3042/3052 (PCIe x1/USB 3.2), optional
Battery Lithium	Lithium 3V/220 mAh
Power Input	2 x 2-pin connector +12V DC-in only AT auto power on function supported
Power Requirements	Intel® Processor N97 @ 2.0 GHz, min. RMS: +12V @ 1.7A Intel® Processor N150 1 GHz, min. RMS: +12V @ 1.2A Intel® Core™ i3-N305 @ 1.8 GHz, min. RMS: +12V @ 2.0A

Specifications

Display

Chipset	Intel® integrated Gfx graphic engine
Memory Size	Share system memory
Display Interface	1 x HDMI 1 x LVDS; 18/24-bit single/dual channel

I/O

SATA	N/A
Hardware Monitoring	Detect CPU/system temperature, voltage, and fan speed
Ethernet	2 x 10/100/1000/2500 Mbps Ethernet with Intel® I226, supporting Wake-on-LAN and PXE Boot ROM
Audio	HD Audio link via pin header
USB	2 x USB 2.0 2 x USB 3.2
Serial	1 x RS-232/422/485
TPM	TPM 2.0
SMBus	Yes
Digital I/O	4-channel in/out programmable

Mechanical and Environmental

Dimensions	100 x 72 mm
Board Thickness	1.6 mm
Operating Temperature	N97: -20°C to +65°C (-4°F to 149°F) in passive N150: -20°C to +70°C (-4°F to 158°F) in passive i3-N305: -20°C to +70°C (-4°F to 158°F) in active
Relative Humidity	10% to 95% relative humidity, non-condensing

Ordering Information

Standard

PICO338-N97-8G (P/N: E38H338103)	Pico-ITX SBC with Intel® Processor N97 (2.0 to 3.6 GHz, 6MB cache, 12W), 8GB LPDDR5, HDMI, LVDS, and two 2.5GbE LAN (without heatsink)
PICO338-N150-8G (P/N: E38H338111)	Pico-ITX SBC with Intel® Processor N150 (1.0 to 3.6 GHz, 6MB cache, 6W), 8GB LPDDR5, HDMI, LVDS, and 2.5GbE (without heatsink)
PICO338-N305-8G (P/N: E38H338104)	Pico-ITX SBC with Intel® Core™ i3-N305 processor (1.0 to 3.8 GHz, 6MB cache, 9W), 8GB LPDDR5, HDMI, LVDS, and two 2.5GbE LAN (without cooler)

Optional

PICO338-N97-8GH (P/N: E38H338108)	Pico-ITX SBC with Intel® Processor N97 (2.0 to 3.6 GHz, 6MB cache, 12W), 8GB LPDDR5, HDMI, LVDS, two 2.5GbE LAN, and heatsink
PICO338-N150-8GH (P/N: E38H338112)	Pico-ITX SBC with Intel® Processor N150 (1.0 to 3.6 GHz, 6MB cache, 6W), 8GB LPDDR5, HDMI, LVDS, 2.5GbE, and heatsink
PICO338-N305-8GC (P/N: E38H338109)	Pico-ITX SBC with Intel® Core™ i3-N305 processor (1.0 to 3.8 GHz, 6MB cache, 9W), 8GB LPDDR5, HDMI, LVDS, two 2.5GbE LAN, and cooler
AX93A19 (P/N: E393A19100)	SIM card slot board
AX93A22 (P/N: E393A22100)	HD codec audio board for Mic-in/Line-in/Line-out
590000086600	DC power cable for adapter, L=180 mm
50966124050E	Adapter 12V 60W, FSP060-DHAN3 with screw
59380880250E	COM cable, DB9 to 9 x 1-pin, P=1.25 mm, L=250 mm
594H51R2810E	USB cable, 2 x 5P-DuPont Pitch=2 mm to 2 x USB-4P, L=180 mm

Packing List

Accessories

591000014500	Power cable, L=100 mm
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APC238, Industrial Chassis

SBC Option	PICO338-N97-8GB
I/O	2 x USB 3.2 2 x 2.5 GbE LAN 1 x HDMI 1 x 12V DC Jack 1 x power button
Dimensions (W x D x H)	161 x 100 x 50.6 mm (6.34" x 3.94" x 1.99")
Operating Temperature	-20°C to +50°C (-4°F to +122°F)
APC238-N97-8GB (P/N: E27P238100)	APC238 with Intel® processor N97, 8GB LPDDR5, 128GB Key B NvME, and 12V/60W adapter