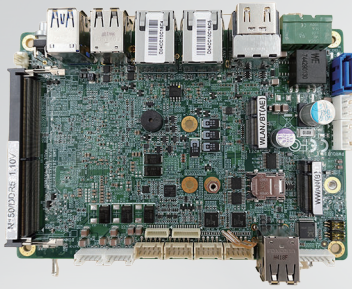


SMB-2615

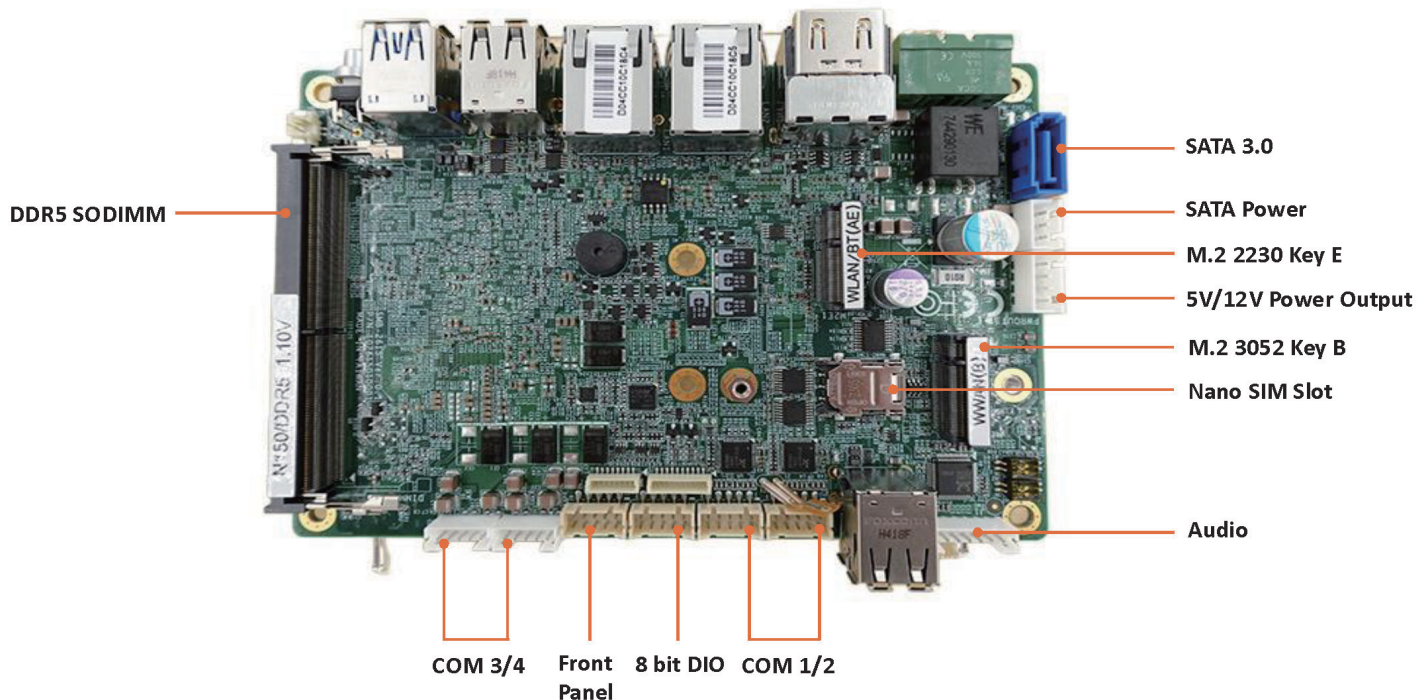


Intel® Twin Lake N150, Amston Lake x7433RE 3.5" SBC

- 1 x DDR5 4800 SO-DIMM, up to 16 GB Capacity
- 9–36V Wide Range DC Input with OCP, OVP
- 2 x Intel 2.5Gb Ethernet Ports
- 6 x USB Ports and 4 x COM Ports
- 1 x M.2 Key B and 1 x M.2 Key E Expansion
- Standard 3.5" SBC Form Factor



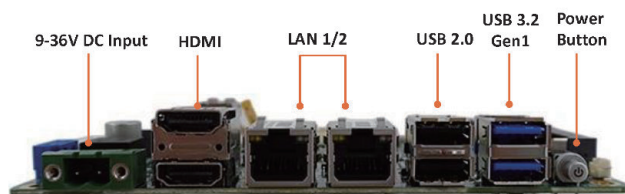
Top View



Bottom View



Front I/O View



Rear I/O View



Specifications

System

Processor

- Intel® Twin Lake N150 4-core processor up to 3.60 GHz
- Intel Atom® x7433RE 4-core processor up to 3.40 GHz

Graphics

- Intel® Graphics

Memory

- 1 x DDR5-4800 SO-DIMM up to 16GB

Security

- TPM 2.0

Watchdog

- Auto reset for unresponsive system
(custom 1-255 sec/min delay settings in BIOS)

Interface

Video

- 2 x HDMI® up to 3840 x 2160 @ 60Hz as specified in HDMI 2.0b

Audio

- 1 x Line-out, 1 x Mic-in

Ethernet

- 2 x 2.5GbE (Intel I226-LM) via RJ-45

USB

- 2 x USB 3.2 Gen 1
- 4 x USB 2.0

DIO

- 4 x DI (DC 5-36V), 4 x DO (DC 5V/100mA)

COM

- 2 x RS-232/422/485
- 2 x RS-232

Internal Expansion

M.2

- 1 x M.2 3042/3052 Key B (Supports PCIe, USB 3.2 and SATA interface)
- 1 x M.2 2230 Key E (Supports PCIe, USB 2.0 interface)

Certification / Compliance

- CE, FCC Class A, UKCA, IEC/EN 62368-1

Power

Power Input

- DC 9-36V (nominal power input DC 12V/24V) via 2-pin terminal block

Power Protection

- OCP, OVP, surge protection, reversed polarity protection

Software

Operating System

- Windows 11 IoT Enterprise LTSC
- Ubuntu 24.04 LTS

Storage

Type

- 1 x SATA 3.0
- 1 x SATA Power

Environmental

Operating Temp.

- -40°C ~ 70°C (-40°F ~ 158°F) with 0.6 m/s airflow

Storage Temp.

- -40°C ~ 85°C (-40°F ~ 185°F)

Relative Humidity

- 10% RH ~ 90% RH (non-condensing)

Mechanical

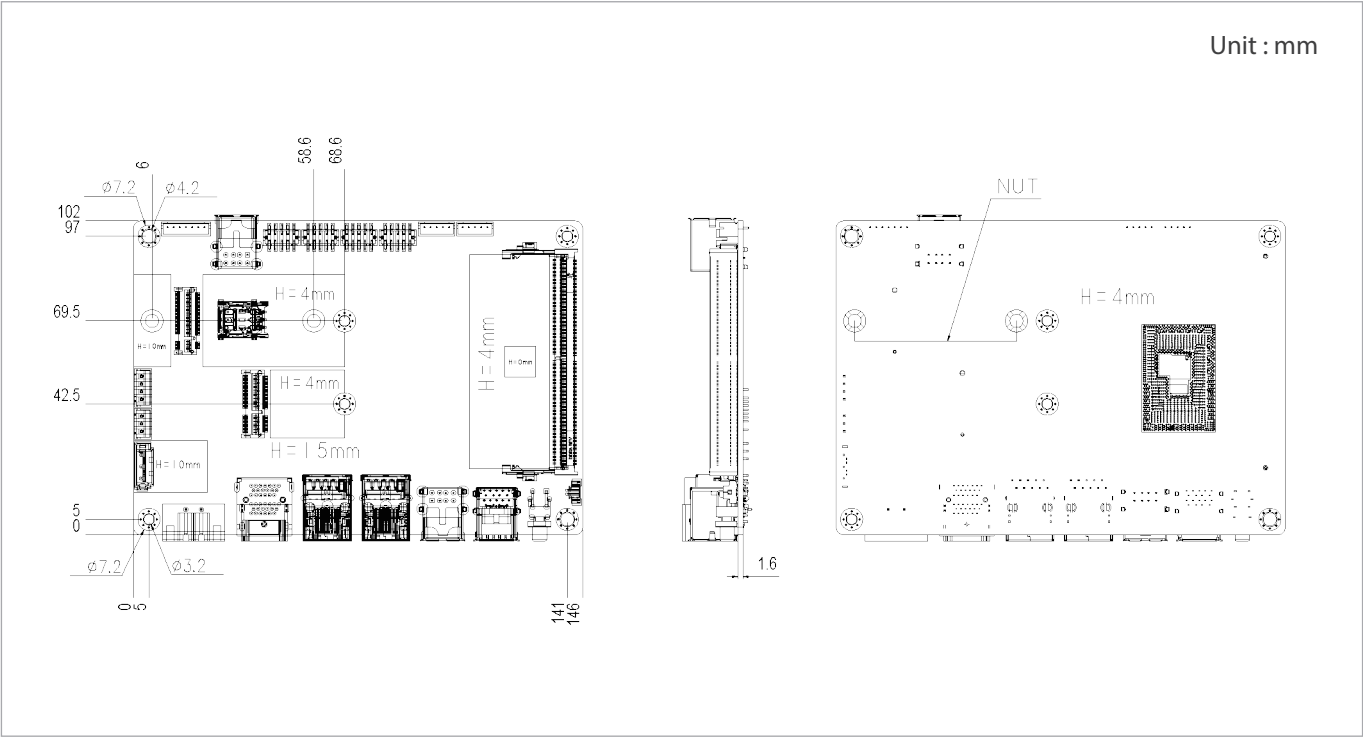
Net Weight

- 160g (0.35 lb)

Dimensions (L x W x H)

- 146 x 102 x 1.6 mm (5.74 x 4.02 x 0.06 in.)

Dimensions



Model Name	CPU	HDMI	2.5GbE	USB	COM	DIO	Audio	DC-IN
SMB-2615-N150	Intel® Processor N150	2	2	2 x USB 3.2	2 x RS232/422/485	1	Mic in and Line Out	9-36V
SMB-2615-x7433RE	Intel Atom® x7433RE			4 x USB 2.0	2 x RS232			

Ordering Information

Model Number	SMB-2615-zzzzz (zzzzz=N150=Intel® Processor N150, zzzzz=x7433RE=Intel Atom® x7433RE)
Description	Intel® Twin Lake N150/Atom x7433RE 3.5" SBC
State of Origin	Made in Taiwan

Optional Accessories

Power Adaptor	AC/DC 100-240V/12V 60W
Heat Sink	1 x Heat Sink w/ Thermal Pad
Cable Kit	4 x COM Cable, 1 x SATA w/ Power Cable, 1 x DIO Cable, 1 x Audio Cable

All specifications are subject to change without notice.