

SBOX-2625

Intel® Processor N150 Ultra-Compact Embedded Computer



- Ready for high-speed DDR5 4800 memory, up to 16 GB capacity
- 9–36V Wide DC Input with OCP, OVP, Surge and Reversed Polarity Protection
- Up to 6 x USB Ports and 3 x COM Ports for Retail and Industrial Applications
- 2 x Intel 2.5Gb Ethernet for High-Bandwidth Uplink and Downlink Connection
- Expandable Wireless Connectivity via M.2: Wi-Fi, 5G, and LTE Module
- Support TPM 2.0 to Enhance System Security and Safeguard Critical Data
- Ultra-Compact Fanless Computer for Limited Space Deployment

Specifications

System

Processor

- Intel® Processor N150 4-core processor up to 3.60 GHz
- Intel Atom® x7433RE 4-core processor up to 3.40 GHz
- Intel® Core™ 3 Processor N355 8-core processor up to 3.90 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 (Optional)

Internal Expansion

M.2

- 1 x M.2 3042/3052 Key B for WWAN w/ Nano SIM support
- 1 x M.2 2230 Key E for Wi-Fi/BT

Storage

Type

- 1 x 2.5" SATA SSD
- 1 x M.2 2242 Key B for SATA SSD*

*M.2 Key B is a combo slot, either WWAN module or M.2 SATA can be installed.

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

Environmental

Operating Temp.

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

Storage Temp.

- -40°C ~ 80°C (-40°F ~ 176°F)

Relative Humidity

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

Certification / Compliance

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

Mechanical

Construction

- Aluminum Alloy

Antenna

- 4 x SMA connector mounting hole

Mounting

- DIN rail, Wall, VESA mounting

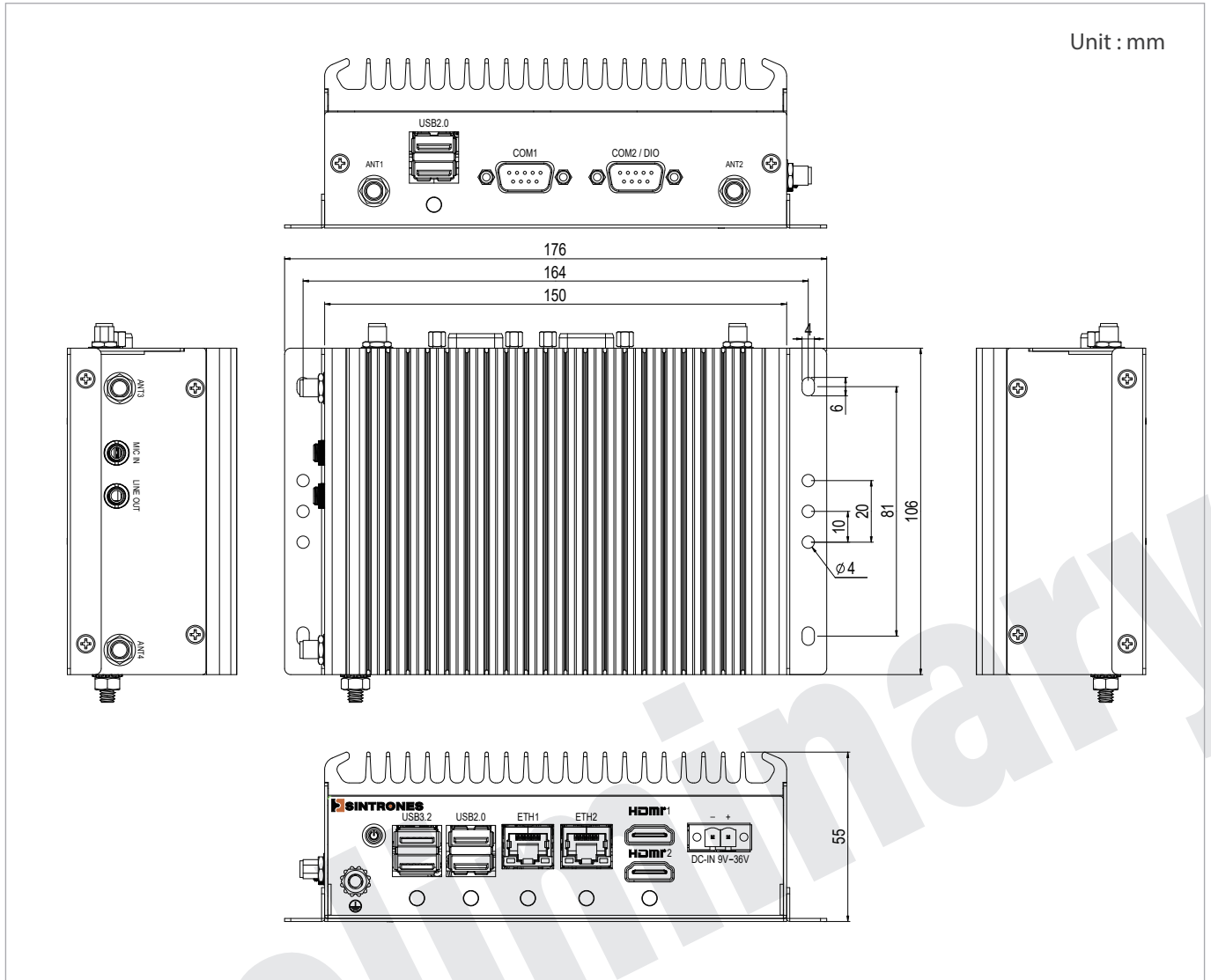
Net Weight

- 1.2kg (2.64 lb)

Dimensions (L x W x H)

- 150 x 106 x 55 mm (5.91 x 4.17 x 2.17 in.)

Dimensions



Ordering Information

Model Number	SBOX-2625-N150
	SBOX-2625-N355
	SBOX-2625-x7433RE
Description	SBOX-2625-N150 Intel® Processor N150 w/ 2x HDMI® / 2 x 2.5GbE / 6 x USB / 2 x COM / DC-IN 9-36V Embedded Computer
	SBOX-2625-N355 Intel® Core™ 3 Processor N355 w/ 2x HDMI® / 2 x 2.5GbE / 6 x USB / 2 x COM / DC-IN 9-36V Embedded Computer
	SBOX-2625-x7433RE Intel Atom® x7433RE w/ 2x HDMI® / 2 x 2.5GbE / 6 x USB / 2 x COM / DC-IN 9-36V Embedded Computer
State of Origin	Made in Taiwan

Optional Accessories

Memory	DDR5-4800 SO-DIMM, 8GB to 16GB, -40°C ~ 85°C
Storage	M.2 2242 Key B SATA SSD w/ thermal kit, -40°C ~ 85°C
	2.5" SATA SSD, -40°C ~ 85°C
Wi-Fi	M.2 2230 Key A-E Wi-Fi module, -40°C ~ 85°C
WWAN	M.2 3042/3052 Key B WWAN module w/ thermal kit, -40°C ~ 85°C
Power Adaptor	AC/DC 100-240V/12V 60W

All specifications are subject to change without notice.