

# SBOX-2625



## Intel® Twin Lake 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® Twin Lake N150 4-core processor up to 3.60 GHz
- Intel Atom® x7433RE 4-core processor up to 3.40 GHz
- Intel® Twin Lake Core™ 3 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-232/422/485 + 1 x RS-232 (Optional)

### Internal Expansion

#### M.2

- 1 x M.2 3042/3052 Key B supports PCIe and USB interface for WWAN w/ single Nano SIM
- 1 x M.2 2230 Key E for Wi-Fi/BT

### 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 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.

### 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

#### Construction

- Aluminum Alloy

#### Antenna

- 4 x SMA connector mounting hole

#### Mounting

- DIN rail, Wall, VESA mounting

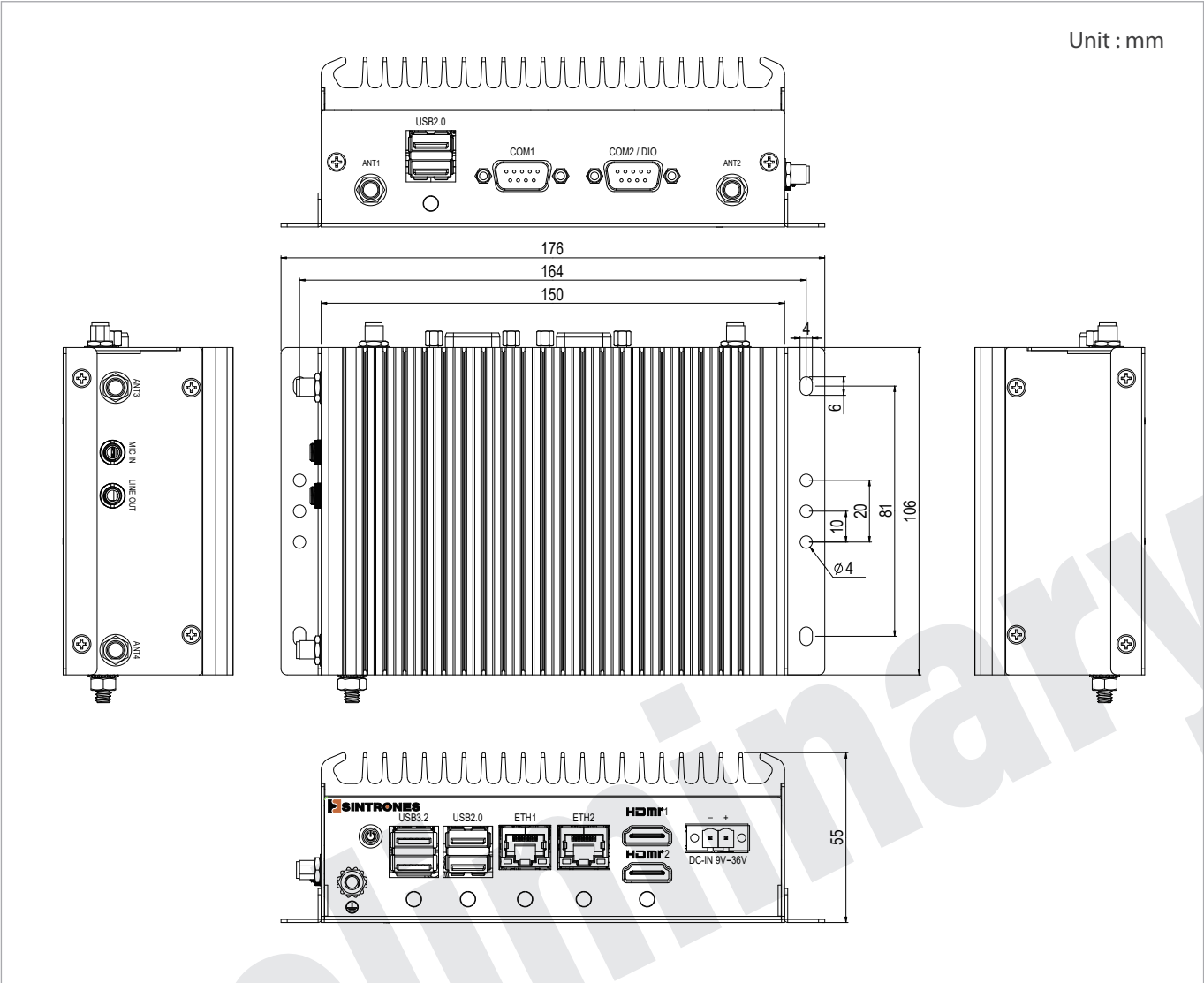
#### Net Weight

- 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  |
| Storage       | M.2 2242 Key B+M SATA SSD       |
|               | 2.5" SATA SSD                   |
| Wi-Fi         | M.2 2230 Key A-E Wi-Fi module   |
| WWAN          | M.2 3042/3052 Key B WWAN module |
| Power Adaptor | AC/DC 100-240V/12V 60W          |

All specifications are subject to change without notice.