

SBOX-2603-SPH

**AMD® Ryzen™ Embedded R2312 / 2 x GbE / 2 x HDMI /
2 x USB 3.2 10Gbps / 4 x USB 2.0 / DC 12V Power Input/ Fanless Box PC**



- AMD® Ryzen™ Embedded R2312
- 2 x GbE RJ45
- 1 x M.2 2280 M key supports NVMe or SATA SSD
- 1 x M.2 3042/52 B key supports USB WWAN w/ SIM switch
- 2 x RS-232/422/485
- DC 12V Power Input and Operating Temp.: 0~60°C

Specifications

System

Processor

- AMD® Ryzen™ Embedded R2312

Graphics

- CPU Built-in Graphics AMD Radeon™ Graphics

Memory

- 1 x DDR4 2400 MHz SODIMM up to 32 GB

Network

- 2 x Intel® i210-AT Supports PXE and WOL

Watchdog

- 1 ~ 255 Level Reset

TPM

- 2.0

Power

Power Input

- DC 12V Power Input via center positive DC jack with inner/outer diameter of 2.5/5.5mm

Software

Operating System

- Windows 10 IoT Enterprise LTSC 64bit, Windows 11 IoT Enterprise, Ubuntu 20.04 LTS 64bit

Interface

Video

- 2 x HDMI supports 4k@60Hz as specified in HDMI 2.0b

LAN

- 2 x RJ45 Ports for GbE

USB

- 2 x USB 3.2 10Gbps and 4 x USB 2.0

Serial Port

- 2 x RS 232/422/485

Audio

- 1 x Line-out and 1 x Mic-in

Environmental

Operating Temp.

- 0°C ~ 60°C w/0.6 m/s airflow

Storage Temp.

- -40 ~ 85°C

Relative Humidity

- 10% RH – 90% RH@ 40°C (non-condensing)

Certification / Standard

- CE, FCC Class A, UKCA

Internal Expansion

M.2

- 1 x M.2 B Key 3042/3052 for WWAN (USB3.0) w/ 2 x SIM sockets
- 1 x M.2 E Key 2230 slot for WiFi/BT (PCIe + USB)

Storage

Type

- 1 x M.2 M key 2280 supports NVMe or SATA SSD
- 1 x 2.5" SATA SSD

Mechanical

Construction

- Aluminum extrusion with steel chassis

Mounting

- Wall mount

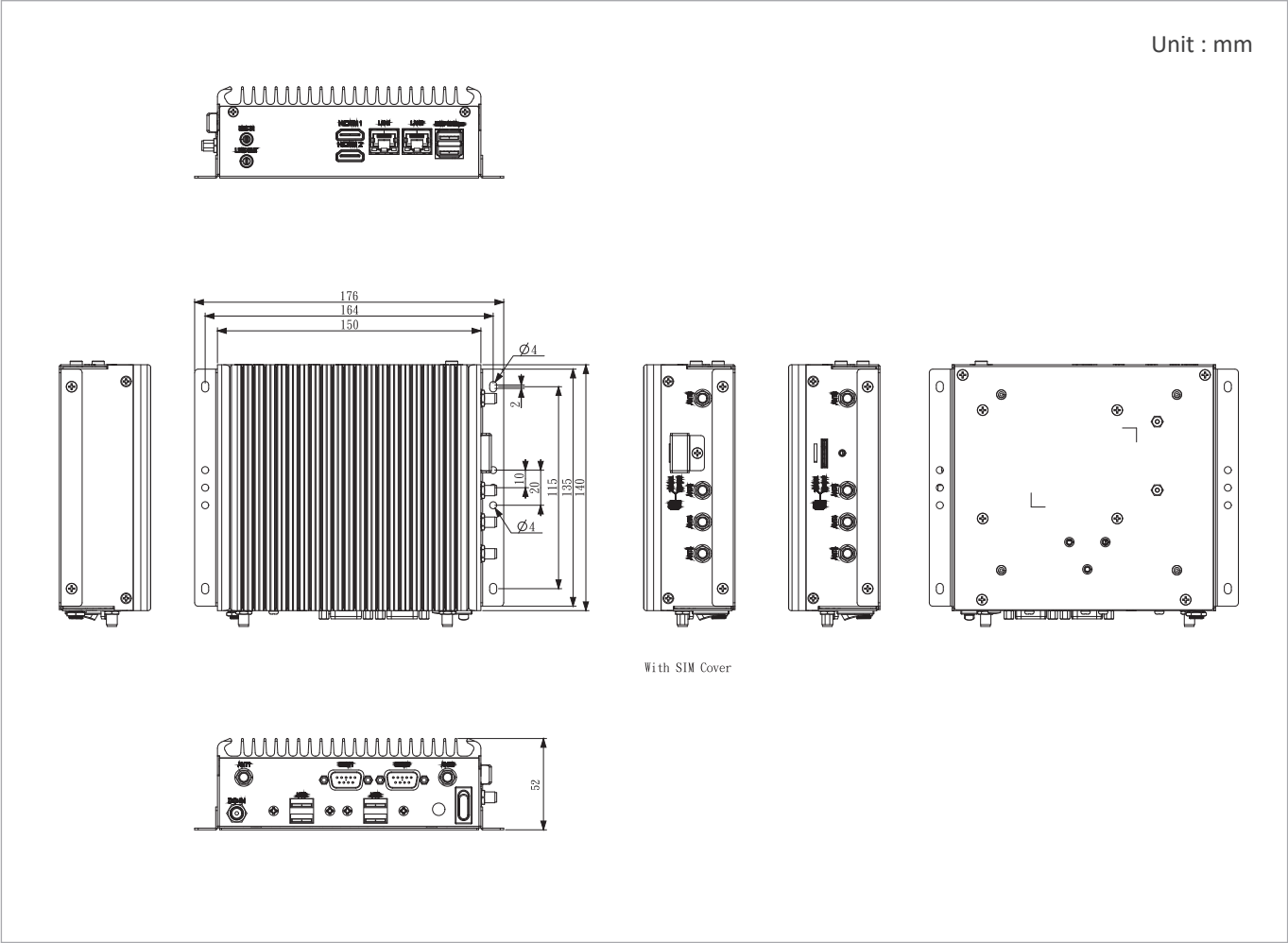
Weight

- 1.2 kg (Barebone)

Dimensions

- 176(L) x 120(W) x 52(H) mm with Wall-mount

Dimensions



Ordering Information

Model Number	SBOX-2603-SPH
Description	AMD® Ryzen™ Embedded R2312 / 2 x GbE / 2 x HDMI / 2 x USB 3.2 10Gbps / 4 x USB 2.0 / DC 12V Power Input Fanless Box PC
State of Origin	Made in Taiwan

Accessory

Power adaptor	60W 100-240VAC to 12VDC Power Adaptor
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All specifications are subject to change without notice.