SBOX-2624(P)

AMD Ryzen™ Embedded R2312 w/ 2x HDMI® / 1 x 2.5GbE, 1 x GbE / 6 x COM / DC-IN 9-36V Embedded Computer



- AMD Ryzen™ Embedded R2312 2C/4T Processor
- 1 x 2.5GbE, 1 x GbE(Optional 4 x GbE w/ PoE)
- 2 x HDMI® Supports Resolution Specified in HDMI 2.0b
- 6 x COM
- 1 x M.2 2280 Key M Supports NVMe and SATA
- 1 x M.2 3042/52 Key B Supports USB 3.2
- 1 x M.2 2230 Key E Supports PCIe and USB2.0
- 9V - 36V DC Input

Specifications

System

Processor
- AMD Ryzen™ Embedded R2312 2C/4T Processor

Graphics
- CPU Built-in Graphics AMD Radeon™ Graphics

Memory
- 1 x SO-DIMM DDR4-2400 up to 32GB (ECC Support with ECC DRAM)

Security
- TPM 2.0

Watchdog
- System reset 1 ~ 255 sec. or min. settings in BIOS

Interface

Video
- 2 x HDMI® supports 4K@60Hz as specified in HDMI 2.0b

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

Ethernet
- 1 x 2.5GbE, 1 x GbE (SBOX-2624)
- 1 x 2.5GbE, 4 x GbE* from Marvell Ethernet Switch w/ PoE (PSE Class 3: 15W) via RJ-45 (SBOX-2624P)

* Share with 1GbE bandwidth; Power budget: 60W

USB
- 2 x USB 3.2 Gen 2 (10Gbps) and 2 x USB 2.0

DIO
- 4 x DI (5-36VDC), 4 x DO (5V, 100mA)

COM
- 2 x RS-232/422/485, 4 x RS-232 (SBOX-2624)
- 2 x RS-232/422/485, 2 x RS-232 (SBOX-2624P)

Internal Expansion

M.2
- 1 x M.2 3042/52 Key B supports USB 3.2 for WWAN w/ Nano SIM
- 1 x M.2 2230 Key E supports PCIe and USB 2.0 for Wi-Fi/BT

Storage

Type
- 1 x M.2 2280 Key M supports NVMe or SATA SSD
- 1 x 2.5" SATA SSD (SBOX-2624)

Power

Power Input
- DC-IN 9 – 36V Input (Nominal Power Input 12V or 24V)

Power Protection
- Over voltage and reverse polarity potection

Software

Operating System
- Windows 10 IoT Enterprise 64bit LTSC
- Windows 11 IoT Enterprise LTSC
- Ubuntu 20.04 LTS 64bit
- Ubuntu 22.04 LTS 64bit

Environmental

Operating Temp.
- -30°C ~ 60°C, with SSD, ambient w/ air flow 0.6m/s (for barebone system)

Storage Temp.
- -40°C ~ 80°C

Relative Humidity
- 10 ~ 90% @ 40°C (non-condensing)

Certification / Standard

- CE, FCC Class A, UKCA, EN 50155 (EN 50121-3-2 EMC Compliant)

Mechanical

Construction
- Aluminum Alloy

Mounting Method
- Wall-mounting

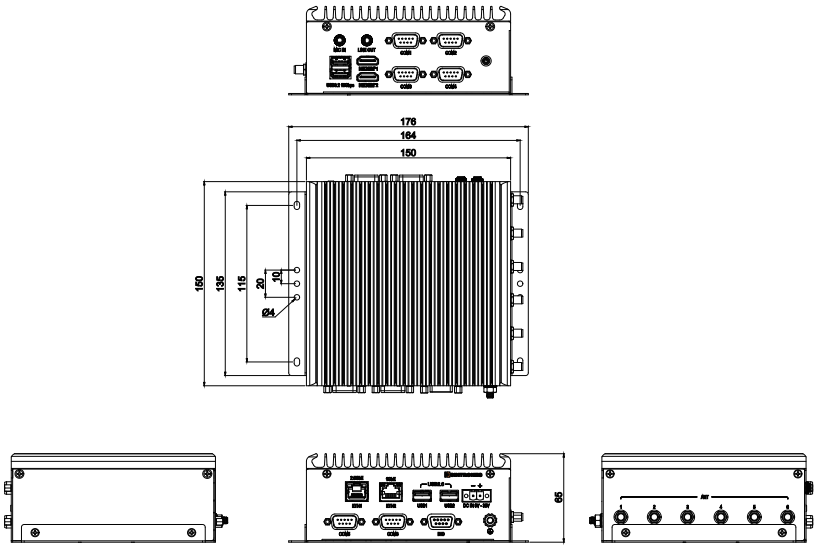
Weight
- 1,500g (Barebone)

Dimensions
- 150(L) x 150(W) x 65(H) mm

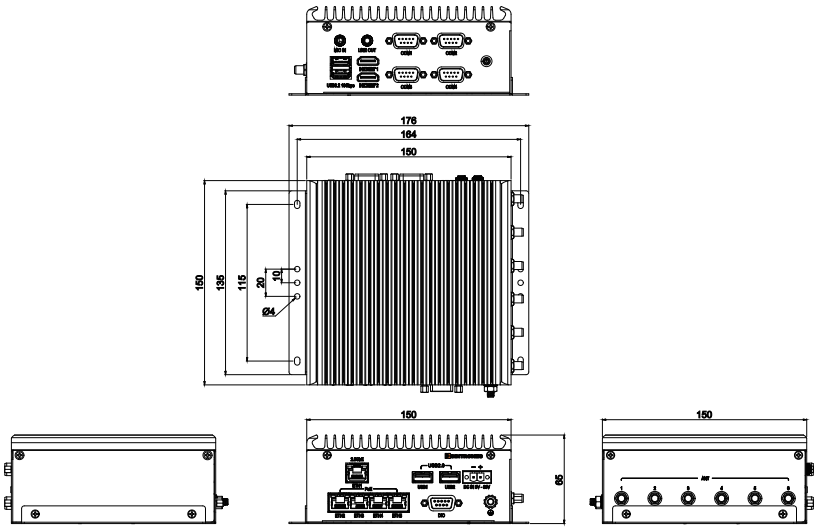
Dimensions

Unit : mm

SBOX-2624



SBOX-2624P



Ordering Information

Model Number	SBOX-2624
	SBOX-2624P
Description	SBOX-2624 | AMD Ryzen™ Embedded R2312 w/ 2x HDMI® / 1 x 2.5GbE, 1 x GbE / 6 x COM / DC-IN 9-36V Embedded Computer
	SBOX-2624P | AMD Ryzen™ Embedded R2312 w/ 2x HDMI® / 1 x 2.5GbE, 4 x GbE PoE / 4 x COM / DC-IN 9-36V Embedded Computer
State of Origin	Made in Taiwan

Optional Accessories

Memory	DDR4-2400/2666/3200 SO-DIMM, 8GB~32GB, -40~85°C (ECC Option Available)
SSD	M.2 2280 Key M NVMe TLC -40~85°C 512GB~2TB
	M.2 2280 Key M SATA TLC -40~85°C 128GB~2TB
	2.5 inch SATA TLC -40~85°C 128GB~2TB (SBOX-2624 Only)
Wi-Fi	M.2 2230 Key A+E Wi-Fi 6 + Bluetooth 5.2 module
WWAN	M.2 3042/52 5G/LTE modem

All specifications are subject to change without notice.