

# SBOX-2624P-IP66



## AMD Ryzen™ Embedded R2312 w/ 2x HDMI® / 2 x GbE PoE / 2 x COM / DC-IN 9-36V / IP66 Waterproof Computer

- AMD Ryzen™ Embedded R2312 2C/4T Processor
- 2 x HDMI® Supports Resolution Specified in HDMI 2.0b
- 2 x GbE w/ PoE
- 2 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
- EN 50155 Certified
- IP66 Enclosure for Harsh Environment

## 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 w/o IP66

#### Ethernet

- 2 x GbE\* from Marvell Ethernet Switch w/ PoE (PSE Class 3: 15W) via M12 X Code

\* Share with 1GbE bandwidth; Power budget: 30W

#### USB

- 2 x USB 3.2 Gen 2 (10Gbps) w/o IP66
- 2 x USB 2.0 w/ M8 A Code

#### DIO

- 3 x DI (9-36VDC), 4 x DO (5V, 100mA) w/ M8 A Code

#### Serial Port

- 2 x RS-232/422/485 w/ M8 A Code

### Internal Expansion

#### M.2

- 1 x M.2 3042/52 Key B supports USB 3.2 for WWAN w/ Dual 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

### Power

#### Power Input

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

#### Power Protection

- Over voltage and reverse polarity protection

### Software

#### Operating System

- Windows 10 IoT Enterprise 64bit LTSC
- Windows 11 IoT Enterprise
- 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

### Mechanical

#### Construction

- Aluminum Alloy

#### Mounting Method

- Wall-mounting

#### Ingress Protection

- IP66

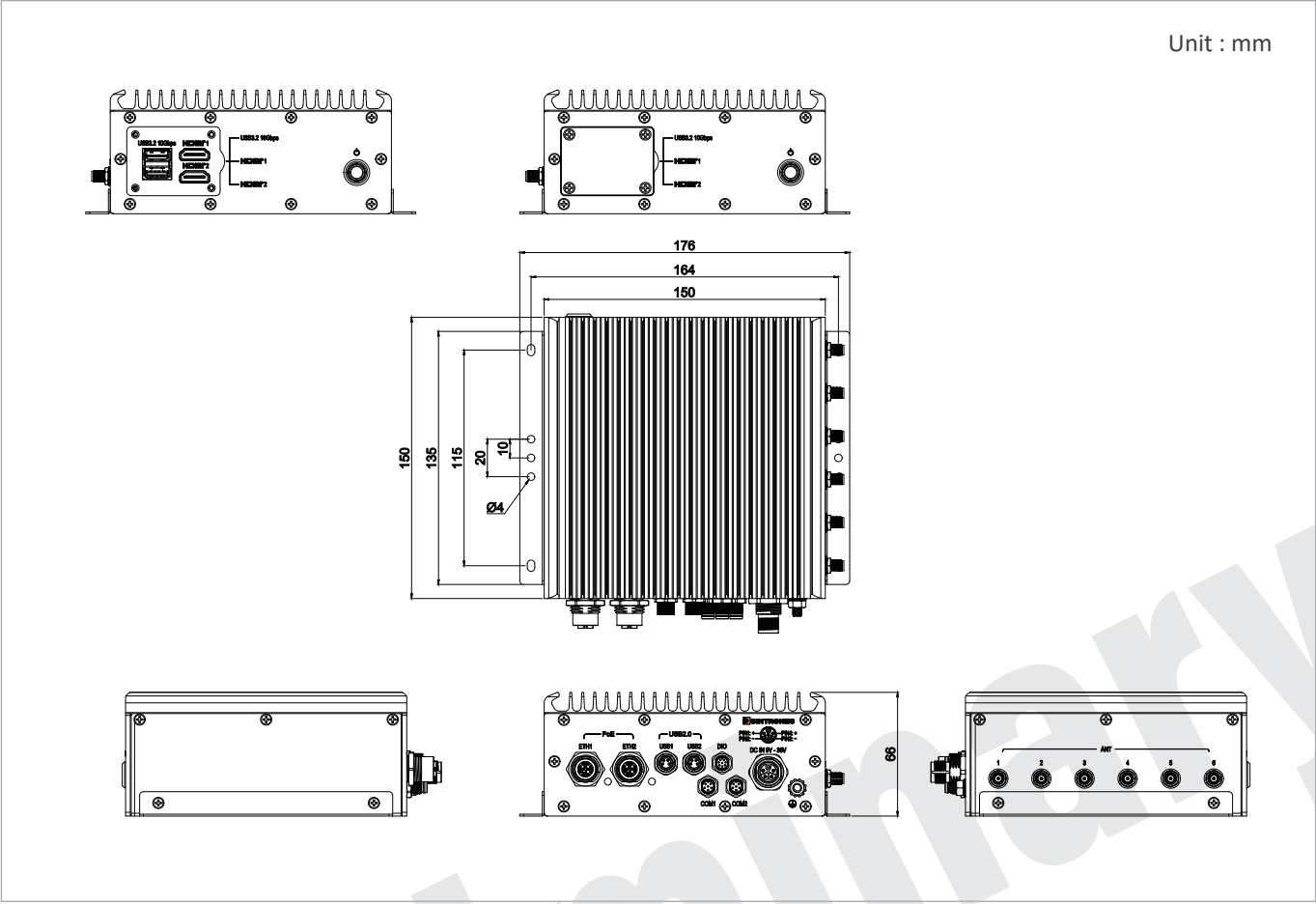
#### Weight

- 2,000g (Barebone)

#### Dimensions

- 150(L) x 150(W) x 66(H) mm

Dimensions



Ordering Information

|                 |                                                                                                        |
|-----------------|--------------------------------------------------------------------------------------------------------|
| Model Number    | SBOX-2624P-IP66                                                                                        |
| Description     | AMD Ryzen™ Embedded R2312 w/ 2x HDMI® / 2 x GbE PoE / 2 x COM / DC-IN 9-36V / IP66 Waterproof 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                             |
| Wi-Fi  | M.2 2230 Key A+E Wi-Fi 6 + Bluetooth 5.2 module                        |
| WWAN   | M.2 3042/52 5G/LTE modem                                               |
| GPS    | M.2 2242 GPS module                                                    |

All specifications are subject to change without notice.