

# SBOX-2622

11th Gen Intel® Core™ i7-1185G7E CPU with 2x LAN/ 2x HDMI 2.0b/ 1x DVI-D/ 4x COM/ DC 9-36V Fanless Box PC

## Features

- 11th Gen Intel® Core™ i7-1185G7E
- Triple Display Output (2 x HDMI / VGA)
- Wireless Support 5G/LTE, Wi-Fi / Bluetooth (by optional module)
- Wide Range Operating Temperature -30 ~ 60°C
- 4 x RS-232 / 422 / 485
- 4 x DI / 4 x DO (5V/100mA)
- 9 ~ 36VDC Power Input



## Introduction

The SBOX-2622 is powered by 11th Gen Intel® Core™ i7-1185G7E with supporting triple display output (2 x HDMI / VGA); it delivers high-performance computing and real-time capabilities for critical Industrial IoT deployment. The SBOX-2622 is equipped with the newest Intel® Iris® Xe Graphics, making it a perfect solution for Factory Automation, Service Robots (AMR/AGV), Cellular V2X, Smart Retail, and any AIoT / Industry 4.0 applications. The key features can tackle all outdoor digital applications and extreme weather conditions. In addition, the ultra slim height (50 mm) makes it ideally suited for digital signage or kiosks where the space is limited.

## Specifications

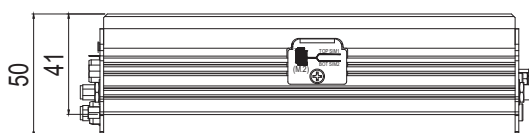
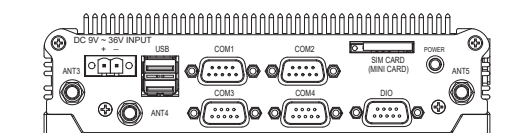
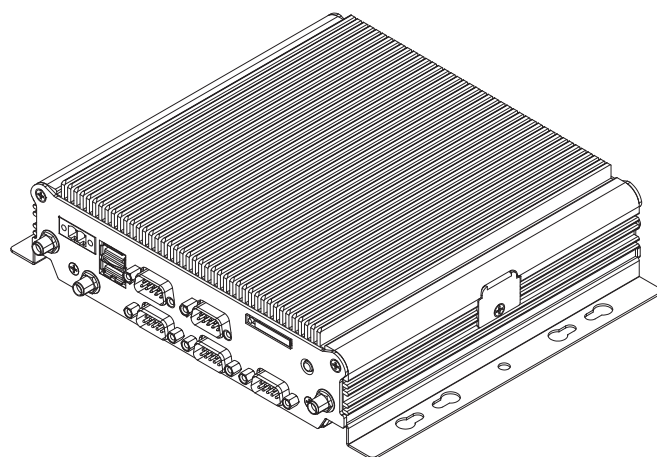
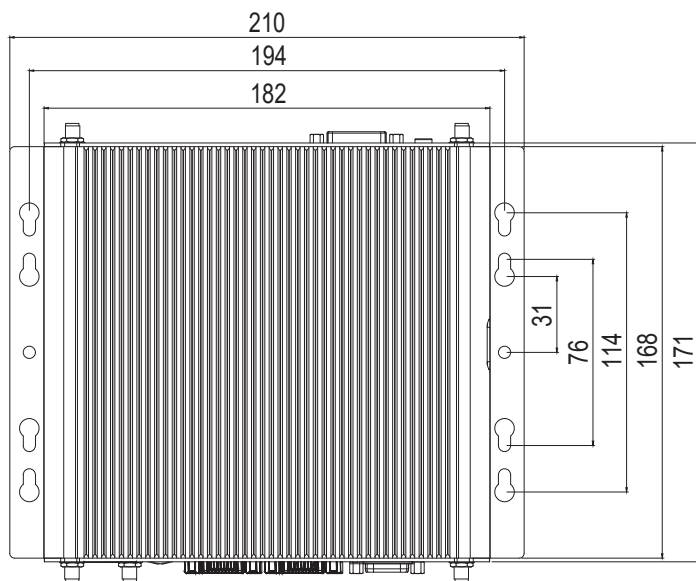
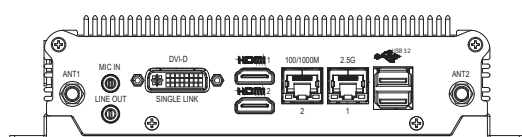
| System        |  |
|---------------|--|
| CPU           | 11th Gen Intel® Core™ i7-1185G7E up to 2.8 GHz*  |
|               | 11th Gen Intel® Core™ i5-1145G7E up to 2.6 GHz*  |
|               | 11th Gen Intel® Core™ i3-1115G4E up to 3.0 GHz*  |
|               | Intel® Celeron® 6305E 1.8 GHz  |
|               | *CPU TPD is configured at 15W as default setting.  |
| Memory        | 1 x DDR4 SO-DIMM up to 32 GB   |
| Graphics      | Intel® Iris® Xe Graphics (for Core™ i7 / i5 / i3)<br>Intel® UHD Graphics (for Celeron® 6305E only) |
| LAN Chipset   | 1 x Intel® I255-LM 2.5GbE Supports AMT for i5 & i7<br>1 x Intel® I210-AT GbE                       |
| Watchdog      | 1 ~ 255 Level Reset  |
| TPM           | 2.0  |
| I/O           |  |
| Serial Port   | 4 x RS-232/422/485   |
| USB Port      | 2 x USB 3.0 and 2 x USB 2.0 Ports (optional additional 2 x USB 2.0)                                |
| LAN           | RJ-45 ports for 1 x 2.5GbE, 1 x GbE  |
| Video Port    | 2 x HDMI 2.0b/ 1 x DVI-D <i>*Use only with Single Link DVI Cables.</i>                             |
| GPIO Port     | 4 x DI / 4 x DO (5V/100mA)   |
| Audio         | 1 x Mic-in and 1 x Line-out  |
| Expansion Bus | 1 x M.2 3042 / 3052 Key B for 5G / LTE Modem<br>w/ 2 x SIM Card Sockets Supported Onboard          |
|               | 1 x M.2 2230 Key A-E for Wi-Fi + Bluetooth   |
|               | 1 x mPCIe slot supports (USB 2.0 interface) w/ 1 x pin eject SIM card                              |
| Antenna       | 5 x Pre-cut Hole for External SMA Antenna  |

| Software          |   |
|-------------------|---|
| Operating System  | Windows 10 IoT 2021 LTSC 64-bit, Ubuntu 20.04 64-bit<br>(11th Gen Intel® Core™ Series Support Windows 11) |
| Environmental     |   |
| Operating Temp.   | -30 ~ 60°C, Ambient w/ 0.6m/s Airflow   |
| Storage Temp.     | -40 ~ 85 °C   |
| Relative Humidity | 10% RH – 90% RH (Non-condensing)  |
| Power Input       | DC 9-36V Input w/ Reverse Polarity OCP and OVP Protection   |
| Storage           |   |
| Type              | 1 x 2.5" Drive Bay for SATA Type HDD / SSD  |
|                   | 1 x M.2 2280 Key M Slot (supports NVMe and SATA SSD w/ auto-detection)                                    |
| Qualification     |   |
| Certifications    | CE, FCC Class A   |
| Mechanical        |   |
| Construction      | Aluminum Alloy  |
| Mounting          | Wall-mount (Optional VESA and Din Rail Mounting Kit)  |
| Weight            | 1750g   |
| Dimensions        | 210 (L) x 171 (W) x 50(H) mm (Wall Mount Bracket Included)  |

All specifications are subject to change without notice.

# Dimensions

Unit : mm



## Ordering Information

|                        |   |
|------------------------|---|
| <b>Part Number</b>     | SBOX-2622-i7, SBOX-2622-i5, SBOX-2622-i3, SBOX-2621-C1  |
| <b>Description</b>     | 11th Gen Intel® Core™ i7-1185G7E CPU w/ 2x LAN/ 2x HDMI 2.0b/ 1x DVI-D/4x COM/ DC 9-36V Input/ Fanless Box PC |
| <b>State of Origin</b> | Made in Taiwan  |

## Optional Accessories

|                          |   |
|--------------------------|---|
| <b>DRAM</b>              | DDR4 SO-DIMM 3200, 8GB~32GB (-40~85°C)            |
| <b>SATA SSD</b>          | M.2 2280 Key B+M SATA SSD TLC 64GB~1TB (-40~85°C) |
| <b>NVMe SSD</b>          | M.2 2280 Key M NVMe TLC 256GB~1TB (-40~85°C)      |
| <b>Wi-Fi / Bluetooth</b> | M.2 2230 Key A+E Module                           |
| <b>5G / LTE</b>          | M.2 3042/3052 Key B Module                        |
| <b>Mounting kit</b>      | DIN Rail / VESA Kit                               |
| <b>CAN Bus</b>           | mPCIe CAN Bus Module                              |