

# SBOX-2602

11th Gen Intel® Core™ i7-1185G7E CPU with 2x LAN/ 2x HDMI 2.0b/ 1x DVI-D/ 2x COM/ DC 12V Fanless Box PC

## Features

- 11th Gen Intel® Core™ Processor i7-1185G7E
- Triple Display Output (2 x HDMI / DVI-D)
- 2 x M.2 Slots for Wi-Fi / WWAN / GPS Expansion
- Wide Range Operating Temperature -30~60°C
- 2 x RS-232 / 422 / 485
- 4 x DI / 4 x DO (5V/100mA)

## Introduction

The SBOX-2602 is powered by 11th Gen Intel® Core™ i7-1185G7E with supporting triple display output (2 x HDMI / DVI-D); it delivers high-performance computing and real-time capabilities for critical Industrial IoT deployment. The SBOX-2602 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

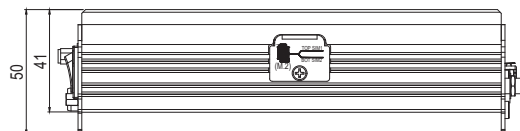
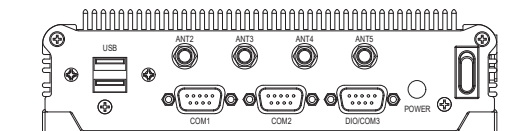
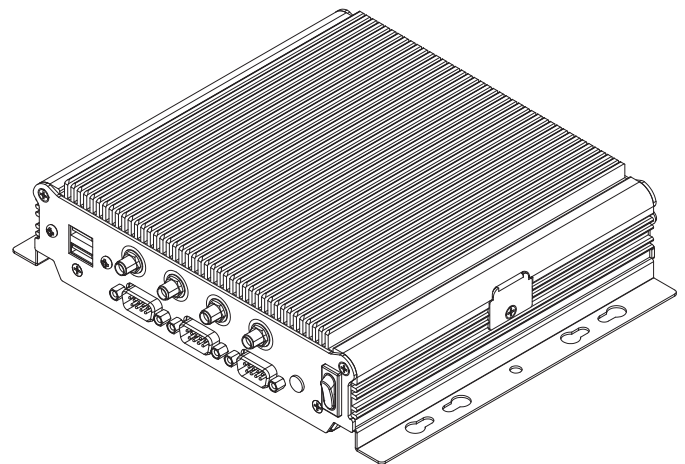
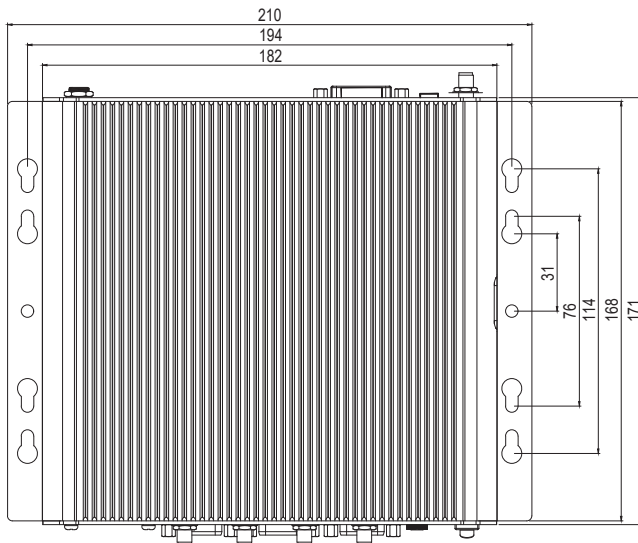
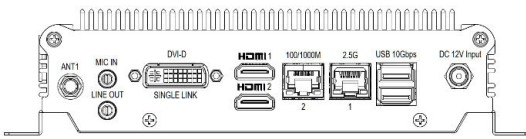
| System        |   |
|---------------|---|
| CPU           | 11th Gen Intel® Core™ i7-1185G7E up to 2.8 GHz*   |
|               | 11th Gen Intel® Core™ i5-1145G7E up to 2.6 GHz*   |
|               | 11th Gen Intel® Core™ i3-1115G4E up to 3.0 GHz*   |
|               | Intel® Celeron® 6305E 1.8 GHz<br>*CPU TDP 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 SKU)<br>Intel® UHD Graphics (for i3 / Celeron® 6305E SKU) |
| LAN           | 1 x Intel® 2.5GbE supports vPro for i5 & i7 SKU<br>1 x Intel® GbE                                     |
| Watchdog      | 1 ~ 255 Level Reset   |
| TPM           | 2.0   |
| I/O           |   |
| Serial Port   | 2 x RS-232/422/485 (Optional 3rd Serial Port)   |
| USB Port      | 2 x USB 2.0 and 2 x USB 3.2 Gen 2   |
| LAN           | 2 x RJ-45 Ports (1 x 2.5GbE, 1 x GbE)   |
| Video Port    | 2 x HDMI / 1 x DVI-D *Single-Link cable only  |
| GPIO Port     | 4 x DI and 4 x DO (5V/100mA)  |
| Audio         | 1 x MIC-IN / 1 x LINE-OUT   |
| Expansion Bus | 1 x M.2 3042/52 Key B for 5G/LTE Modem<br>w/ 2 x SIM Card Sockets                                     |
|               | 1 x M.2 2230 Key E for Wi-Fi + Bluetooth Module   |
| Antenna       | 5 x Pre-cut Holes for SMA External Antenna  |

| Software          |  |
|-------------------|--|
| Operating System  | Windows 10 IoT 2021 LTSC 64-bit,                           |
| 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 12V Input with DC-Jack                                  |
| Storage           |  |
| Type              | 1 x SATA Connector for 2.5" SATA HDD/SSD                   |
|                   | 1 x M.2 2280 Key M Slot (supports NVMe or SATA SSD)        |
| Qualification     |  |
| Certifications    | CE, FCC Class A  |
| Mechanical        |  |
| Construction      | Aluminum Alloy   |
| Mounting          | Wall-mount (Optional VESA and Din Rail Mounting Kit)       |
| Weight            | 1600g  |
| 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

|                 |  |
|-----------------|--|
| Part Number     | SBOX-2602-i7, SBOX-2602-i5, SBOX-2602-i3, SBOX-2601-C1   |
| Description     | 11th Gen Intel® Core™ Processors i7-1185G7E CPU w/ 2x LAN/ 2x HDMI 2.0b/ 1x DVI-D/ 2x COM/ DC 12V/Fanless Box PC |
| State of Origin | Made in Taiwan   |

## Optional Accessories

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

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