

# iSBX-TS1010-11XXGX

Intel® Tiger Lake UP3 Core i7/i5/i3 Dual-core processor, Fanless Embedded Computer with 2x HDMI / 6x USB / 2x GIGA LAN



## FEATURES

- Rugged & compact sealed aluminum box design
- Onboard Intel® Tiger Lake UP3 Core i7/i5/i3 Quad/Dual-core processor
- 2x Intel® GLAN, expansional with 3G/ 4G/ LTE, Wi-Fi/Bluetooth wireless
- No Serial port
- 6x USB3.0 high speed interfaces
- DC 12V power range, with over-current and over-voltage and polarity reverse protection
- I/O: 2x GLAN, 6x USB3.0, 2x HDMI, Mic-in/Line-out

## Introduction

iSBX-TS1010-11XXGX is a new palm-sized fanless Box PC model, it adapts Intel 11th Gen. Tiger Lake UP3 Core i7/i5/i3 -11XXGX Quad/Dual-core CPU, having advanced computing performance and low power consumption. TBOX-1T35 storage can support 1x M.2 NVMe SSD; The design has rich IO interfaces, with 2x LAN ports, 6x USB3.0, 2x HDMI and 1x Audio ports; This embedded system iSBX-TS1010-11XXGX design with 1x M.2 2230 E-key slot and 1x M.2 3052 B-key slot; The power input is DC 12V voltage, and has over-current, over-voltage and reverse-polarity protection.

iSBX-TS1010-11XXGX operating temp. is -20°C~+60°C, can be suitable for longer-time operating and harsh environment industrial application projects. iSBX-TS1010-11XXGX can be compatible with Windows10, Windows 11, Linux Operating system and embedded Operating system, and it is also compatible with application software based on those operating systems.

## Specification

System	
Processor	<ul style="list-style-type: none"> <li>• Intel® Core i7-1195G7, Quad-core processor, Burst to 5.0Ghz</li> <li>• Intel® Core i5-1155G7, Quad-core processor, Burst to 4.5Ghz</li> <li>• Intel® Core i3-1115G4, Dual-core processor, Burst to 4.1Ghz</li> <li>• TDP 15W</li> </ul>
BIOS	• SPI AMI EEI BIOS
Memory	• SO-DIMM, DDR4-2666/2933/3200 Mhz, Max. up to 32GB
Storage	• 1x M.2 2280 M-Key slot (PCIe Gen-IV x4, NVMe) SSD
Graphic	• Intel Iris Xe Graphics (Up to 96EUs, 1.40Ghz)
Network	• 1x Intel i219V, 1x Intel i226V, optional support 3G/4G/5G/Wi-Fi/BT Wireless
Audio	• On-board Realtek ACL897 Audio controller
Expansion	• 1x M.2 3052 B-key slot (4G/5G), 1x M.2 2230 E-Key (Wi-Fi/BT)
TPM	• Intel® PTT TPM2.0
Watchdog	• 0~255 seconds programmable
Operating system	• Windows 10/11, Linux

## IO Interface

COM	• No COM
Network	• 2x RJ45, 10/100/1000 Mbps
Audio	• 1x Mic-in/Line-out (2-in-1 Jack)
USB	• 6x USB3.0
Display	• 2x HDMI
Power Input	• DC Jack, lockable 5.5 * 2.5
GPIO	• Optional GPIO

## Structure

Structure and surface	• Aluminium alloy, anodizing and anti-scratch treatment
Cooling System	• Finned aluminium heatsinks
Color	• Black
Indicator	• Power Switch/ Power LED/ HDD LED
Mounting	• Desktop, wall mount, optional with Din-rail mount
Dimension	• 168.4 x 110 x 45 (mm)
Net weight	• About 0.85 Kg

## Mechanical & Environment

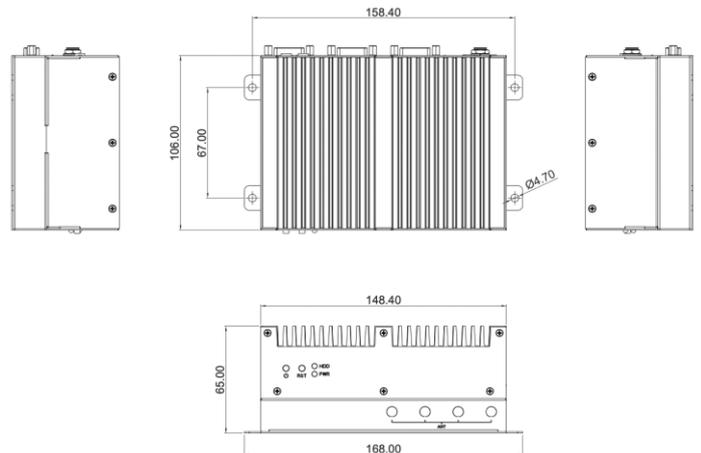
Voltage Input	• DC 12V
Power Consumption	• 25W
EMC	• CE/FCC/RoHS
Working temperature	• -20 ~ + 60 (°C)
Storage temperature	• -40 ~ + 70 (°C)
Relative humidity	• 10~95%@10°C (No condensation)
Vibration	• 50~500Hz,1.5G,0.15mm peak to peak
Shock	• 10G/Peak (11 ms)

## Ordering Information

iSBX-TS1010-1195G7	Intel® Tiger Lake UP3 Core i7-1195G7 Quad-core processor, Fanless Embedded Computer with 2x HDMI / 6x USB / 2x GIGA LAN/ DC 12V Input
iSBX-TS1010-1155G7	Intel® Tiger Lake UP3 Core i5-1155G7 Quad-core processor, Fanless Embedded Computer with 2x HDMI / 6x USB / 2x GIGA LAN/DC 12V Input
iSBX-TS1010-1115G4	Intel® Tiger Lake UP3 Core i3-1115G4 Dual-core processor, Fanless Embedded Computer with 2x HDMI / 6x USB / 2x GIGA LAN/ DC 12V Input



Rear View



Dimension