

# iSBX-TS3000-11XXGX

Intel® Tiger Lake 11<sup>th</sup> Gen UPS3 Core i7/i5/i3 processor, Fanless Embedded Computer with 1x HDMI / 1x VGA/ 6x USB / 2x COM/ 5x GIGA LAN



## FEATURES

- Intel® 11<sup>th</sup> Gen. Tiger Lake UP3 Core i7/i5/i3 processors
- 1x DDR4 memory socket, max. up to 32GB
- 1x M.2 2280 (PCIe x4 NVMe), and 1x 2.5" SATA Storage
- I/O: 5x GLAN (4x PoE), 4x USB3.1, 2x USB2.0, 2xCOM, 1x HDMI, 1x VGA
- 1 Mini-PCIe slots for expansion
- DC 9~36V input, with over-current, over-voltage, polarity protection
- Industrial -20 ~ + 60°C operating temperature range.

## Introduction

The SINETIC iSBX-TS3000-11XXGX is a newly released, fanless industrial Vision Box PC specifically designed for machine vision and industrial networking applications. It is powered by the Intel® 11<sup>th</sup> Gen Tiger Lake UP3 Core™ i7/i5/i3 Quad/Dual-core processor, delivering advanced computing and graphics performance to meet demanding vision processing requirements.

The system supports flexible storage options, including 1 × M.2 2280 NVMe (PCIe x4) SSD and 1 × 2.5-inch SATA SSD/HDD, providing high-speed data access and ample storage capacity. It offers a rich selection of communication interfaces, including 5 × LAN ports (4 × PoE supported), 4 × USB 3.1 ports, 2 × USB 2.0 ports, 1 × RS232, and 1 × RS485. An optional 32 × GPIO module is available to meet advanced control requirements.

The unit supports a wide DC 9~36V power input and includes over-current, over-voltage, and reverse-polarity protection, ensuring reliable operation in industrial power environments. Built with a fully sealed enclosure, the iSBX-TS3000-11XXGX effectively prevents dust ingress and enhances durability. Its large aluminum fin heat sink provides efficient heat dissipation, improving overall system stability, reliability, and service life.

With an operating temperature range of -20°C to +70°C, the SINETIC iSBX-TS3000-11XXGX is well suited for continuous operation in harsh industrial environments, including intelligent transportation systems, machine vision, medical devices, textile machinery, rail transportation, and industrial automation.

## Specification

System	
Processor	<ul style="list-style-type: none"> <li>• Intel Tiger Lake UP3 Core i3-1115G4, Dual-core, Up to 4.1Ghz</li> <li>• Intel Tiger Lake UP3 Core i5-1155G7, Quad-core, Up to 4.5Ghz</li> <li>• Intel Tiger Lake UP3 Core i7-1195G7, Quad-core, Up to 5.0Ghz</li> <li>• TDP 15W</li> </ul>
BIOS	• SPI AMI EEI BIOS
Memory	• SO-DIMM, DDR4-2666/2933/3200 MT/s, Max. up to 32GB
Storage	• 1x M.2 2280 (PCIe x4 NVMe), Optional support 1x 2.5" SATA3.0
Graphic	• Intel Iris Xe Graphic
Network	• 5x Intel I210AT (Optional 3G/4G/Wi-Fi/BT)
Audio	• N/A
Expansion	• 1x Full length Mini-PCIe expansional slot
TPM	• Intel® PTT TPM2.0
Watchdog	• 0~255 seconds programmable
Operating system	• Windows 10/11, Linux
IO Interface	
COM	• COM1: RS232; COM2: RS485
Network	• 5x RJ45, 10/100/1000 Mbps, LAN 1~ LAN 4 support PoE 802.3 AF (Single port max. up to 15.4W, total less than 45W); LAN 5 support standard 10/100/1000 Mbps
Audio	• No
USB	• 4x USB3.1, 2x USB2.0
Display	• 1x HDMI, 1x VGA
Power Input	• 1x 2 pin, Phoenix terminal
GPIO	• 32x GPIO (16x DI, 16x DO, with isolated)
Structure	
Structure and surface	• Aluminium alloy, anodizing and anti-scratch treatment
Cooling System	• Finned aluminium heatsinks
Color	• Silver + Black
Indicator	• Power Switch/ Power LED/ HDD LED
Mounting	• Desktop, wall mount
Dimension	• 236.5 x 150.0 x 60.0 (mm)
Net weight	• About 1.6 Kg

## Mechanical & Environment

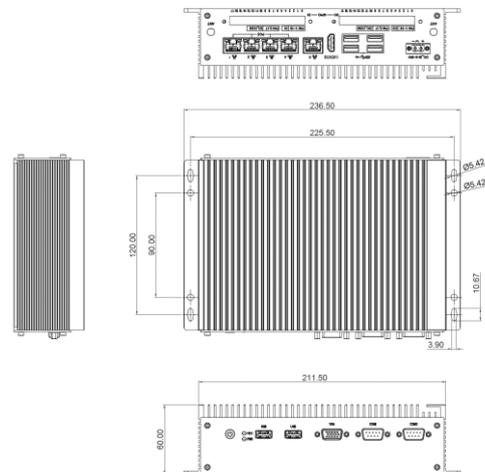
Voltage Input	• DC 9~36V
Power Consumption	• 25W
EMC	• CE/FCC/RoHS
Working temperature	• -20 ~ + 60 (°C)
Storage temperature	• -40 ~ + 80 (°C)
Relative humidity	• 10~95%@10°C (No condensation)
Vibration	• 50~500Hz,1.5G,0.15mm peak to peak
Shock	• 10G/Peak (11 ms)

## Ordering Information

iSBX-TS3000-1115G4	Intel® Tiger Lake UP3 i3-1115G4 processor, Fanless Embedded Computer with 1x HDMI / 1x VGA/ 6x USB / 2x COM/ 5x GIGA LAN /DC 9~36 V Input
iSBX-TS3000-1155G7	Intel® Tiger Lake UP3 i5-1155G7 processor, Fanless Embedded Computer with 1x HDMI / 1x VGA/ 6x USB / 2x COM/ 5x GIGA LAN /DC 9~36 V Input
iSBX-TS3000-1195G7	Intel® Tiger Lake UP3 7-1195G7 processor, Fanless Embedded Computer with 1x HDMI / 1x VGA/ 6x USB / 2x COM/ 5x GIGA LAN /DC 9~36 V Input



Front View



Dimension

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