

iSBX-TS1000-J3455A

Intel® Apollo Lake J3455 Processor based Fanless
Embedded Computer with 1x HDMI/4x USB /2x
GIGA LAN



FEATURES

- Rugged & compact sealed aluminum box design
- Onboard Intel® Apollo Lake J3455 processor
- 2x Intel® GLAN, expansional with 3G/ 4G/ LTE, Wi-Fi/Bluetooth wireless
- No serial port
- 4x USB3.0 high speed interfaces
- DC 12V power range, with over-current and over-voltage and polarity reverse protection
- I/O: 2x GLAN, 4x USB3.0, 1x HDMI, Mic-in/Line-out

Introduction

SINETIC iSBX-TS1000-J3455A is a high-performance ultra-compact fan-less industrial Box PC model, it adapts Intel Apollo Lake J3455 CPU, having advanced computer performance and low power consumption. iSBX-TS1000-J3455A storage can support 1x mSATA SSD; The design has a limited communication interface, with 2x LAN ports, 4x USB 3.0 port; The power input is DC 12~24V voltage, and has over-current, over-voltage and reverse-polarity protection.

SINETIC iSBX-TS1000-J3455A uses full-sealed box construction, and it can prevent dust from entering the device system. Large aluminium fin heat sink can distribute the heat effectively and quickly, ensures the longer reliability and life-span of the system. SINETIC iSBX-TS1000-J3455A operating temp. is -20°C~+60 °C, can be suitable for longer-time operating and harsh environment industrial application projects, such as intelligent transportation system, machine vision, medical device, textile machinery, rail transportation and industry automation.

SINETIC iSBX-TS1000-J3455A can be compatible with Windows 10, Linux Operating system and embedded Operating system, and it is also compatible with application software based on those operating systems.

Specification

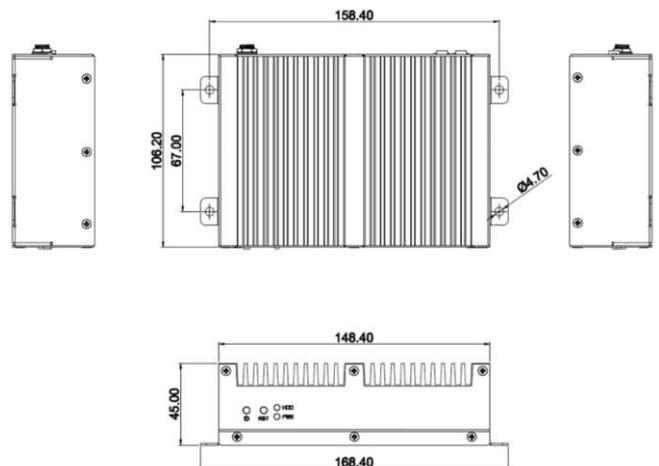
System	
Processor	• Intel® Apollo Lake J3455 1.5Ghz Quad-core, burst to 2.3Ghz
BIOS	• SPI AMI EEI BIOS
Memory	• SO-DIMM, DDR3L, Max. up to 8GB
Storage	• 1x mSATA
Graphic	• Intel HD Graphics 500
Network	• 2x Intel® I211AT (Optional Wifi/3G/4G)
Audio	• Realtek ACL 269 Audio controller
Expansion	• 1x full-size Mini PCIe slot
Watchdog	• 0~255 seconds programmable
Operating system	• Windows 10, Linux
IO Interface	
COM	• No COM
Network	• 2x RJ45, 10/100/1000 Mbps
Audio	• Mic-In, Line-Out
USB	• 4x USB3.0
Display	• 1x HDMI
Power Input	• DC Jack, lockable 5.5 x 2.5
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	• Support Desktop, Wall-mounted,
Dimension	• 168.4 x 106.2 x 45 (mm)
Net weight	• About 0.82 KG
Mechanical & Environment	
Voltage Input	• DC 12V (Over-current, Over-voltage and reverse polarity protection)
Power Consumption	• 2W
EMC	• CE/FCC Class A
Working temperature	• -20°C~+60 °C
Storage temperature	• -30°C~+70 °C
Relative humidity	• 10~95%@10°C (No condensation)
Vibration	• 50~500Hz,1.5G,0.15mm peak to peak

Ordering Information

iSBX-TS1000-J3455A	Intel® Apollo Lake J3455 Processor Fanless Embedded Computer with 1x HDMI/ 4x USB / 2x GIGA LAN/ DC 12V input
--------------------	---------------------------------------------------------------------------------------------------------------



Rear View



Dimension

SINETIC Technologies Pte Ltd, reserves the right to change or update without notice, any information contained herein; to change without notice, the design construction, materials, processing or specifications of any products and to discontinue or limit production or distribution of any products. © SINETIC Technologies Pte Ltd. All rights reserved. DMI5BX-TS1000 Rev 1.0 Dated 202602