iSBX-TS1000-J3455B

Intel® Apollo Lake J3455 Processor based Fanless Embedded Computer with 1x HDMI/ 4x USB / 2x COM/ 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
- 2x serial port
- 4x USB3.0 high speed interfaces
- DC 12V (Optional 9~36V) power range, with over-current and over-voltage and plarity reverse protection
- I/O: 2x GLAN, 4x USB3.0, 1x HDMI, Mic-in/Line-out

Introduction

SINETIC iSBX-TS1000-J3455B 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-J3455B 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 12V (Optional 9~36V) voltage, and has over-current, over-voltage and reverse-polarity protection.

SINETIC iSBX-TS1000-J3455B 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-J3455B operating temp. is -20℃~+60 ℃, 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-J3455B 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.

Ordering Information
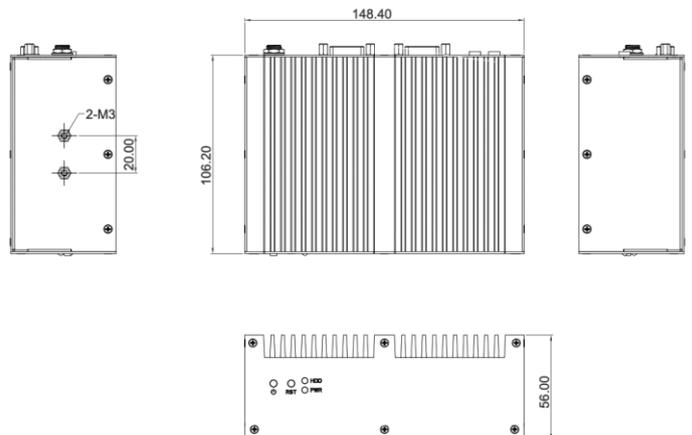
iSBX-TS1000-J3455B	Intel® Apollo Lake J3455 Processor based Fanless Embedded Computer with 1x HDMI/ 4x USB / 2x COM/ 2x GIGA LAN

Rear View

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	• 2x COM RS-232 Ports
Network	• 2x RJ45, 10/100/1000 Mbps
Audio	• Mic-In, Line-Out
USB	• 4x USB3.0
Display	• 1x HDMI
Power Input	• DC Jack, lockable 5.5x 2. (Optional 2 Pin Pheonix Connector)

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 56 (mm)
Net weight	• About 1.2 KG

Mechanical & Environment

Voltage Input	• DC 12V (Over-current, Over-voltage and reverse polarity protection) (Optional DC 9 to 36V)
Power Consumption	• 20W
EMC	• CE/FCC Class A
Working temperature	• -20℃~+60 ℃
Storage temperature	• -30℃~+70 ℃
Relative humidity	• 10~95%@10℃ （No condensation）
Vibration	• 50~500Hz,1.5G,0.15mm peak to peak