

iSBX-TS2000-N2600

Intel® Cedar Trail N2600 processor Fanless
Embedded Computer with 1x HDMI/ 1x VGA / 6x
USB / 6x COM/ 2x GIGA LAN



FEATURES

- Rugged & compact sealed aluminum box design
- Intel Cedar trail N2600 1.6Ghz low power processor
- DC 12V input, with over-current, over-voltage protection
- Industrial operating temp. -20 ~ +70°C
- Dimension: 236.5 x 150 x 60 (mm)
- Expansional with 3G/4G/LTE, Wifi/BT, industrial modules
- I/O: 6x USB, 2x GLAN, 6x COM, 1x HDMI, 1x VGA, Audio.

Introduction

SINETIC iSBX-TS2000-N2600 is a high-performance, fanless industrial box PC designed for reliable operation in demanding environments. Powered by the Intel® Cedar Trail N2600 processor, it delivers efficient computing performance with low power consumption—ideal for continuous industrial applications.

The system offers flexible storage options, supporting one mSATA and one 2.5-inch SATA SSD or HDD to meet diverse data requirements. Rich connectivity ensures seamless integration into industrial systems, featuring 2x LAN ports, 6x USB 2.0 ports, and 6x RS232 ports (with optional 1x RS485). A stable 12V DC power input with built-in over-current, over-voltage, and reverse-polarity protection ensures secure and reliable operation.

Engineered with a rugged, large-area aluminum fin heat sink enclosure, the iSBX-TS2000-N2600 provides efficient heat dissipation while preventing dust intrusion. Its fanless design enhances system durability, reduces maintenance, and extends product lifespan. With an operating temperature range of -20°C to +70°C, it performs reliably in harsh industrial environments and is well-suited for applications such as intelligent transportation systems, machine vision, medical equipment, textile machinery, rail transit, and industrial automation.

The iSBX-TS2000-N2600 supports Windows XP, Windows 7, Windows 7 Embedded, Unix/Linux, and other embedded operating systems, ensuring broad compatibility with existing industrial software platforms.

Specification

System	
Processor	• Intel® Cedar trail N2600 processor Dual core 1.6Ghz TDP 10W
BIOS	• SPI AMI EEI BIOS
Memory	• SO-DIMM, DDR3, Max. up to 4GB
Storage	• 1x mSATA (Optional support 1x 2.5" SATA)
Graphic	• Intel® HD GMA3650
Network	• 2x Intel I211AT, optional support 3G/4G/Wi-Fi wireless
Audio	• On-board Realtek ACL 282 Audio controller
Expansion	• 1x Mini-PCIe expansional slot
TPM	• -
Watchdog	• 0~255 seconds programmable
Operating system	• Win XP, Win7, Win8, Win embedded, Linux
IO Interface	
COM	• 6x RS232 (Support 1x RS485/RS422)
Network	• 2x RJ45, 10/100/1000 Mbps
Audio	• Mic-in/Line-out
USB	• 6x USB2.0
Display	• 1x HDMI + 1x VGA
Power Input	• 1x 2 pin, phoenix terminal
GPIO	• 8x GPIO (Optional)
Structure	
Structure and surface	• Aluminium alloy, anodizing and anti-scratch treatment
Cooling System	• Finned aluminium heatsinks
Color	• Silver
Indicator	• Power Switch/ Power LED/ HDD LED
Mounting	• Desktop, wall mount, optional with Din-rail mount
Dimension	• 236.5 x 150.0 x 60.0 (mm)
Net weight	• About 1.4 KG

Mechanical & Environment

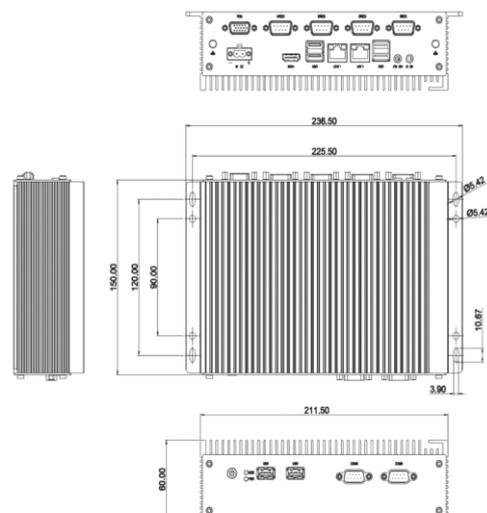
Voltage Input	• DC 12V
Power Consumption	• 15W
EMC	• CE/FCC/RoHS
Working temperature	• -20 ~ + 70 (°C)
Storage temperature	• -40 ~ + 80 (°C)
Relative humidity	• 10~95%@10°C (No condensation)
Vibration	• 50~500Hz,1.5G,0.15mm peak to peak
Shock	• 10G/Peak (11 ms)

Ordering Information

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Front View



Dimension

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