HSI1102E0

KEY FEATURES

- SODIMM DDR4 2400MHz
- Support VGA and HDMI
- 2* 8111H/I211AT RJ45,Support WOL and PXE.
- 2* RS232 DB9,Support RS485 switching.
- 4* USB3.0、4*USB2.0、1* SIM.
- 1* M.2, 2*com
- DC 12V
- No fan heat dissipation, all aluminium alloy material, copper pipe heat conduction

Introduction

The **NBI1102E0** industrial PC prioritizes energy efficiency while delivering high-performance computing. With low-power consumption and a fanless system, it sets a new benchmark for energy-efficient computing. Equipped with advanced components, it ensures reliable operation in demanding environments. This compact yet powerful PC is ideal for industrial automation and IoT applications.

Notable features include SODIMM DDR4 2400MHz memory support for efficient multitasking and optimal performance. It offers VGA and HDMI outputs for flexible display options, seamlessly integrating into diverse industrial setups. For networking, it has 2* 8111H/I211AT RJ45 ports supporting WOL and PXE. It also features 2* RS232 DB9 ports with RS485 switching for easy communication with industrial equipment. Connectivity options include 4* USB3.0 and 4* USB2.0 ports, enabling convenient device connection. The SIM slot provides flexibility for wireless communication. With a 1* M.2 slot and 2* COM ports, it supports expandability. Operating on DC 12V power input, it ensures compatibility with industrial power supplies. The fanless design with all-aluminium alloy and copper pipe heat conduction ensures reliable and silent heat dissipation.

Overall, the NBI1102E0 industrial PC offers an impressive range of features, making it an excellent choice for industrial computing needs.

Specifications

System core

Processor options
i5-10210U/1.6G , i5-8265U/1.6G , i5-6200U/2.3G , Celeron 5205U/1.9G**,** J4125/2.0G

Chassis

Material/structure	Aluminum alloy, fanless cooling structure
Color	Steel gray
Size	L141.5*W126*H56.5MM （Without hanger）
Installation method	Desktop/Wall-mounted

Front panel IO

Power	1*power switch
	1* restart switch
	1* AC LOSS (Restore AC Power Loss)
LED	1* Power LED
	1*HDD LED
USB	2*USB2.0
	2*USB3.0
Audio frequency	1*SPK, 1*MIC
SIM	1*SIM FOR 3G/4G Module *optional upgrade*

Rear Panel

Power	1* 2pin Phoenix terminal, including power switch signal.
Display interface	1* VGA (1920x1200@60Hz), 1* HDMI1.4(4096x2160@30Hz)
LAN	2* 8111H/I211AT RJ45, Support WOL and PXE.
USB	2* USB2.0，2* USB3.0
COM	2* RS232 DB9 (Supports the 9th pin electrification function, Support RS485, built-in CAN)
Power Supply	1* DC 12V

Storage

MSATA	1* MSATA, SSD solid state drive supporting Intel protocol
M.2	1* M.2, Support M.2 2280 SATA standard SSD

Expansion Slot

Mini PCIE	1* Mini-PCIE,Support WIFI/4G
M.2	1* M.2，Support M.2 Key-B 5G

System support

Microsoft Windows	Windows 10 (Without key)
Linux	Linux
Watch Dog	Support hardware reset function (256 levels, 0-255 seconds)

Power Demand

Power supply type	AC Adapter
Voltage input	DC 12V
Power output	60W

Working Environment

Working temperature	-10℃ ~ 60℃
Storage temperature	-20℃ ~ 70℃
Storage Humidity	5%-95% (Non condensing)
Working vibration	0.5g rms/5-500HZ/random/operating

Appearance

Dimensions

Unit: mm

133

142

56
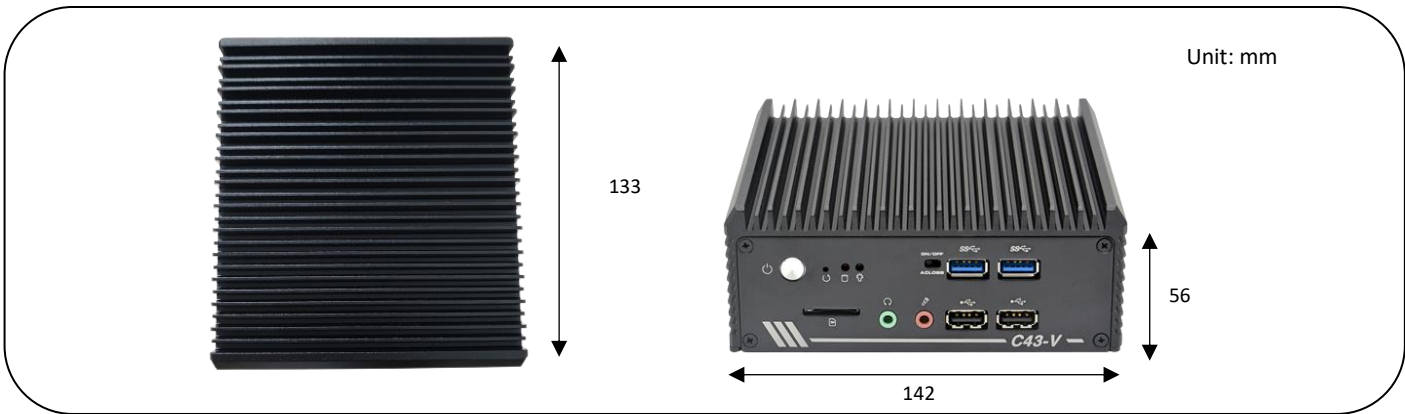
Ordering Information

Model No.	Product Description
HSI1102E0	Dual-port RJ45 compact low-power consumption fanless system

Options for Processor

i5-10210U/1.6G	i5-8265U/1.6G	i5-6200U/2.3G	Celeron 5205U/1.9G	J4125/2.0G

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All specifications and photos are subject to change without prior notice.