NBC-2414

FanlessBox Computer with Intel®Core™i3/i5/i7 Processor, 4x LAN, 6x COM

Overview

The NBC-2414 fanless industrial computer is engineered with a cablelessdesign, providing exceptional resistance to vibrations and electromagnetic interference. Its modular architecture, which includes a CPU board that seamlesslyplugs into an I/O board, not only minimizesthe time and cost associatedwith product upgradesbut also facilitates effortless customization to address unique customer application requirements. Furthermore, the NBC-2414 is equipped with a comprehensive array of I/O interfaces and expansion capabilities, such as COM ports, GbE LAN, GPIO, WiFi, and 4G connectivity, ensuring robust and flexible performance for a wide range of industrial applications.

Features

- Intel® Core™i3/i5/i7 processor
- 6x COM, 4x LAN, 4x USB, 1x VGA, 1x HDMI
- 2x CAN2.0c(optional), 16x Opto-isolated DIO (optional)
- 9 to 36VDC power input



Operating Temp. Power Input Fanless

I/O Interfaces



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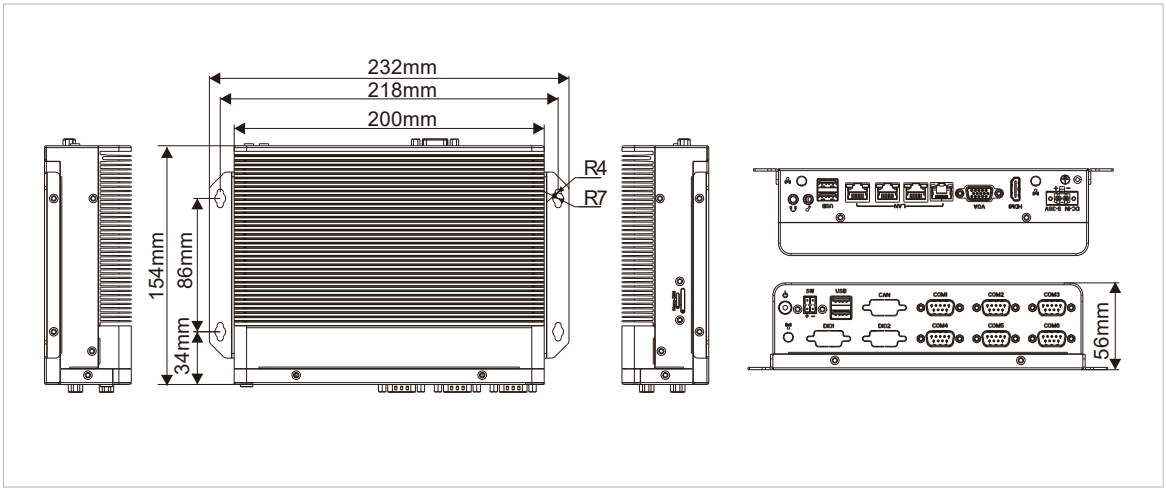
Specifications

System				
CPU	Intel® Core™i3-8145U /i5-8265U	Intel®Core™i3-10110U /i5-10210U/i7-10510U	Intel® Core™i3-1115G4/ i5-1145G7/i7-1185G7	Intel® Core™i3-1215U/ i5-1235U/i7-1255U
CPU TDP	15W			
Memory	1x DDR4 2666 MHz SO-DIMM up to 32GB		1x DDR4 3200 MHz SO-DIMM up to 32GB	
Storage	1x mSATA		1x M.2 2280 Sata	
BIOS	AMI UEFI			
Watchdog Timer	SoDware Programmable supports 256 levels system reset			
I/O Ports				
USB	2x USB 2.0, 2x USB 3.0			
Serial	6x COM (1x RS-232/422/485,5x RS232)		6x COM (1xRS-232/485,1xRS-232/422/485,4x RS232)	
Ethernet	4x RJ45 GbE Intel® I226-V			
Display	1x VGA, 1x HDMI			
SIM Card Slot	1x SIM card slot (opBonal)			
DIO	16x Opto-isolated DIO (opBonal)			
CAN bus	2x CAN 2.0B (opBonal)			
Antenna	3x SMA antenna holes			
Expansion Slot				
Mini PCIe	1x Full length mini PCIe		N/A	
M.2	N/A		1x M.2 2230 E-Key/1x M.2 2280 Sata	
RF Communication				
Wi-Fi	Mini PCIe		M.2 2230 E-Key	
Cellular	Mini PCIe			
Bluetooth	Mini PCIe		M.2 2230 E-Key□	
GNSS	Mini PCIe			
Audio				
Audio	Mic in, line out			
Power				
Bu@on	Yes			
Remote Power On/Off	4-Pin Remote SW&Power LED			
DC Input	9-36VDC			
Power Mode	AT/ATX			
Operating System				
Windows	Windows 10/11			
Linux	Ubuntu			
Mechanical				
Dimensions (W x D x H)	200 x 154 x 56 mm (7.87 x 6.06 x 2.21 inches)			
Weight (N.W.)	2 kg (4.41 lbs)			
MounBng	Wall mount			
Material	Aluminum alloy			
Environment				
OperaBng Temperature	-10 to 60°C (14 to 140°F)			
Storage Temperature	-20 to 60°C (-4 to 140°F)			
RelaBve Humidity	10% to 95% @40°C (104°F), non-condensing			
Certification				
EMC	CE, FCC Class A			

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Dimensions



Optional Accessories

Part No.	Description
A.02.001.000058	110-240VAC Input, 12VDC/5A Output, 60W, Phoenix 2P Terminal Block Connector（5.0）
C.02.009.000094	110-240VAC Input, 12VDC/7A Output, 84W, Phoenix 2P Terminal Block Connector（5.0）

Ordering Information

Part No.	Description
NBC-2414-8145U	Core™i3-8145U NBC with 6x COM, 4x LAN, 4x USB, 1x VGA, 1x HDMI, 9 to 36VDC
NBC-2414-8265U	Core™i5-8265U NBC with 6x COM, 4x LAN, 4x USB, 1x VGA, 1x HDMI, 9 to 36VDC
NBC-2414-10110U	Core™i3-10110U NBC with 6x COM, 4x LAN, 4x USB, 1x VGA, 1x HDMI, 9 to 36VDC
NBC-2414-10210U	Core™i5-10210U NBC with 6x COM, 4x LAN, 4x USB, 1x VGA, 1x HDMI, 9 to 36VDC
NBC-2414-10510U	Core™i7-10510U NBC with 6x COM, 4x LAN, 4x USB, 1x VGA, 1x HDMI, 9 to 36VDC
NBC-2414-1115G4	Core™i3-1115G4 NBC with 6x COM, 4x LAN, 4x USB, 1x VGA, 1x HDMI, 9 to 36VDC
NBC-2414-1145G7	Core™i5-1145G7 NBC with 6x COM, 4x LAN, 4x USB, 1x VGA, 1x HDMI, 9 to 36VDC
NBC-2414-1185G7	Core™i7-1185G7 NBC with 6x COM, 4x LAN, 4x USB, 1x VGA, 1x HDMI, 9 to 36VDC
NBC-2414-1215U	Core™i3-1215U NBC with 6x COM, 4x LAN, 4x USB, 1x VGA, 1x HDMI, 9 to 36VDC
NBC-2414-1235U	Core™i5-1235U NBC with 6x COM, 4x LAN, 4x USB, 1x VGA, 1x HDMI, 9 to 36VDC
NBC-2414-1255U	Core™i7-1255U NBC with 6x COM, 4x LAN, 4x USB, 1x VGA, 1x HDMI, 9 to 36VDC

Update: July□□□,□□□□Email:sales@darveen.com

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