

# INDUSTRIAL EMBEDDED COMPUTER IEC-200 SERIES



Fanless Embedded System with Intel® Bay Trail™ N2930 1.83GHz Processor, HDMI, VGA, 2 GbE LAN, 6 USB, 3 COM, WiFi Ready



## SYSTEM SPECIFICATIONS

Processor	Intel® N2930 1.83GHz				
Processor Generation	Bay Trail™				
Processor Cores	4				
Memory	Up to 8GB DDR3L 1600MHz SO-DIMM				
Storage	1 • mSATA up to 1TB				
Chipset	SoC integrated				
Graphics	Intel® HD Graphics for Intel® Atom® Processor Z3700 Series				
LAN Controller	2 • Intel® I210-AT GbE LAN ports				
System I/O	<table border="0"> <tr> <td>Front</td> <td> <ul style="list-style-type: none"> <li>2 • USB 2.0 ports</li> <li>1 • Power Button</li> <li>3 • RS232/422/485 ports</li> <li>2 • WiFi RP-SMA connectors</li> </ul> </td> </tr> <tr> <td>Rear</td> <td> <ul style="list-style-type: none"> <li>1 • USB 3.0 ports</li> <li>3 • USB 2.0 ports</li> <li>2 • Gb LAN Ports</li> <li>1 • HDMI port</li> <li>1 • VGA port</li> <li>1 • Locking Power connector</li> <li>2 • WiFi RP-SMA connectors</li> </ul> </td> </tr> </table>	Front	<ul style="list-style-type: none"> <li>2 • USB 2.0 ports</li> <li>1 • Power Button</li> <li>3 • RS232/422/485 ports</li> <li>2 • WiFi RP-SMA connectors</li> </ul>	Rear	<ul style="list-style-type: none"> <li>1 • USB 3.0 ports</li> <li>3 • USB 2.0 ports</li> <li>2 • Gb LAN Ports</li> <li>1 • HDMI port</li> <li>1 • VGA port</li> <li>1 • Locking Power connector</li> <li>2 • WiFi RP-SMA connectors</li> </ul>
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BIOS	AMI UEFI				
Watchdog Timer	256 levels, 1~255 sec.				
Expansion Interface	1 • PCIe Mini Card (full height)				
System Indicator	<ul style="list-style-type: none"> <li>1 • blue LED for system power-on (shared)</li> <li>1 • red LED for SSD active (shared)</li> </ul>				

## MECHANICAL SPECIFICATIONS

Color	Silver-Blue
Construction	Aluminum extrusion and heavy gauge chassis
Dimensions (W x H x D)	195mm x 37mm x 142mm (7.67" x 1.45" x 5.59")
Mounting	DIN rail mount / VESA mount / Wall mount

## POWER SUPPLY

Power Input	12 ~ 24VDC with protection fuse
Power Adapter	110 ~ 240 AC to 12VDC out 60W

## REGULATORY SPECIFICATIONS

Operating Temperature	-10°C ~ 60°C (14°F ~ 140°F)
EMI/EMC	CE standards applied (EN 55022 / EN 55024 / EN 55032 / EN 60950-1) FCC - Assembled using FCC certified components RoHS
Vibration	5~500Hz 1G PTP
Shock	operating: 30G (11ms), non-operating: 40G (11ms)

## FEATURES

- Intel® Bay Trail™ N2930 1.83GHz Quad Core Processor
- High performance 204-pin DDR3L 1600MHz SO-DIMM max. up to 8GB
- WiFi Ready
- Highly reliable thermal transfer fanless technology
- 2• RS232/422/485 and 6• USB ports
- 256GB ~ 1TB mSATA supported
- 1• Expandable PCI Express Mini Card slots
- Supports VGA and HDMI dual display
- Wide range operating temperature supported



## ORDERING INFORMATION

Base	IEC-200 Industrial Embedded Computer, Intel® Bay Trail™, Quad Core 1.83GHz N2930 Processor,
IEC-200_-	1- USB 3.0 Ports, 5- USB 2.0 Ports, 2- Intel® I210-AT GbE LAN ports, 1- HDMI Port, 1- VGA Port. (Does not include AC Wall Adapter)

## CONFIGURABLE & ACCESSORIES

Power Connector	Locking Circular Barrel Power Connector, 3-Pin Terminal Block Connector with Mate
RS232/RS485 Ports	2 - RS232/485 Ports on Front Panel
mSATA SSD	256GB, 512GB, 1TB
Additional Dual Ethernet	Dual Ethernet Ports (Total of 4) 2 • Front Panel - 2 • Rear Panel
DDR3L SO-DIMM	4GB or 8GB
WiFi module	Intel® 8265 802.11ac/a/b/g/n Wi-Fi / Bluetooth M.2 Module
DIN rail kit	DIN1-KIT
Wall mount kit	6620080721
AC wall adapter	3771030341
Operating System	Windows® Embedded Standard 7 32bit, Windows® Embedded Standard 7 64bit, Windows® 10 IoT Enterprise 2016 LTSC Entry (Atom), Windows® 10 IoT Enterprise 2019 LTSC Entry (Atom), Windows® 10 Professional 64bit, Ubuntu® Desktop 16.04 LTS 64bit

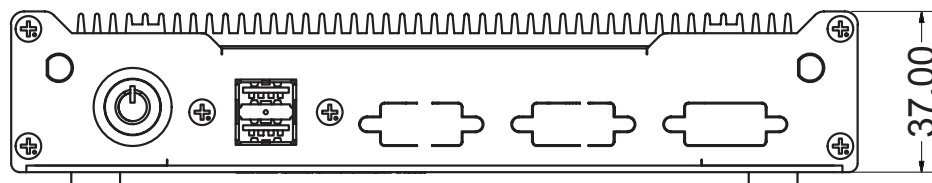
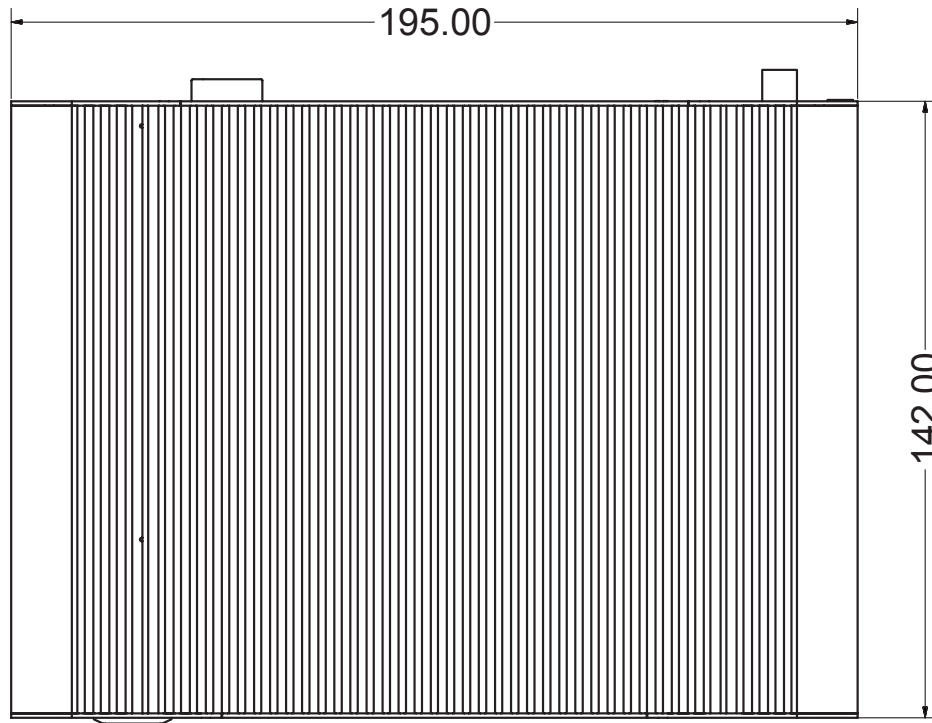
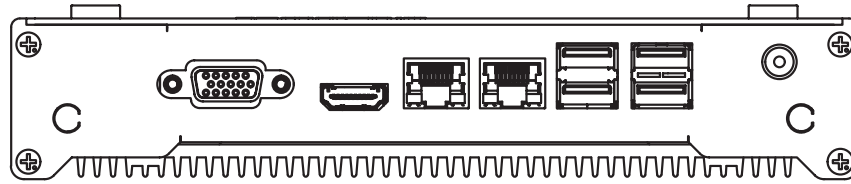
## WARRANTY

Standard Warranty	2 Year Warranty
Extended Warranty	TotalCare Protection 3 or 5 Year Extended
Expected Life Cycle	7 Years

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## DIMENSIONS



Measurements shown in mm. All dimensions are  $\pm 0.5\text{mm}$