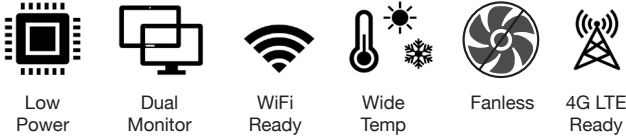


INDUSTRIAL EMBEDDED COMPUTER IEC-300 SERIES



Fanless Embedded System with Intel® Apollo Lake™ E3940 1.80GHz Processor, HDMI, DisplayPort, 2 GbE LAN, 6 USB, 3 COM, WiFi & 4G LTE Ready



SYSTEM SPECIFICATIONS

Processor	Intel® E3940 1.80GHz				
Processor Generation	Apollo Lake™				
Processor Cores	4				
Memory	Up to 8GB DDR3L 1600MHz SO-DIMM				
Storage	1 • mSATA up to 1TB				
Chipset	SoC integrated				
Graphics	Intel® HD Graphics 500				
LAN Controller	2 • Intel® I210-IT GbE LAN ports				
System I/O	<table border="0"> <tr> <td>Front</td> <td> <ul style="list-style-type: none"> 2 • USB 2.0 ports 1 • Power Button 3 • RS232/422/485 ports 2 • WiFi RP-SMA connectors 2 • 4G SMA connectors 4 • USB 3.0 ports </td> </tr> <tr> <td>Rear</td> <td> <ul style="list-style-type: none"> 2 • Gb LAN Ports 1 • HDMI port 1 • DisplayPort 1 • Locking Power connector 2 • WiFi RP-SMA connectors 2 • 4G SMA connectors </td> </tr> </table>	Front	<ul style="list-style-type: none"> 2 • USB 2.0 ports 1 • Power Button 3 • RS232/422/485 ports 2 • WiFi RP-SMA connectors 2 • 4G SMA connectors 4 • USB 3.0 ports 	Rear	<ul style="list-style-type: none"> 2 • Gb LAN Ports 1 • HDMI port 1 • DisplayPort 1 • Locking Power connector 2 • WiFi RP-SMA connectors 2 • 4G SMA connectors
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Rear	<ul style="list-style-type: none"> 2 • Gb LAN Ports 1 • HDMI port 1 • DisplayPort 1 • Locking Power connector 2 • WiFi RP-SMA connectors 2 • 4G SMA connectors 				
BIOS	AMI UEFI				
Watchdog Timer	256 levels, 1~255 sec.				
Expansion Interface	<ul style="list-style-type: none"> 1 • PCIe Mini Card (full height) 1 • NANO SIM Slot 				
System Indicator	<ul style="list-style-type: none"> 1 • blue LED for system power-on (shared) 1 • red LED for SSD active (shared) 				

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	<ul style="list-style-type: none"> 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® Apollo Lake™ E3940 1.80GHz Quad Core Processor
- High performance 204-pin DDR3L 1600MHz SO-DIMM max. up to 8GB
- WiFi and 4G LTE 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 DisplayPort and HDMI dual display
- Wide range operating temperature supported



ORDERING INFORMATION

Base	IEC-300 Industrial Embedded Computer, Intel® Apollo Lake™, Quad Core 1.8GHz E3940 Processor, 4- USB 3.0 Ports, 1-USB 2.0 Ports, 2- Intel I210-IT GbE LAN Ports, 1- HDMI Port, 1- DisplayPort. (Does not include AC Wall Adapter)
IEC-300_-	

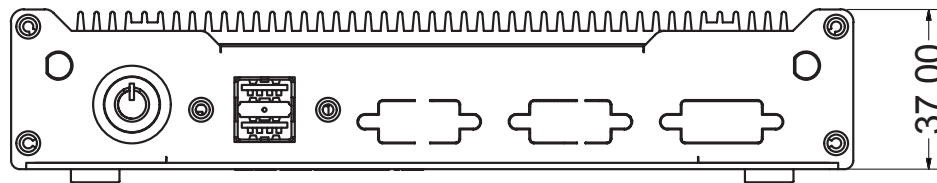
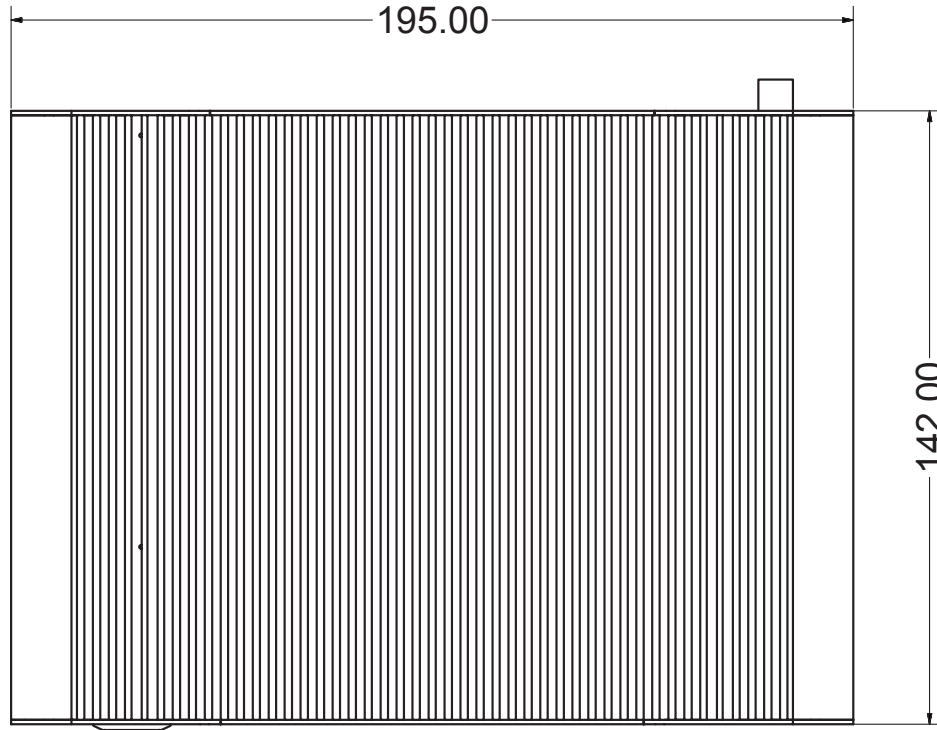
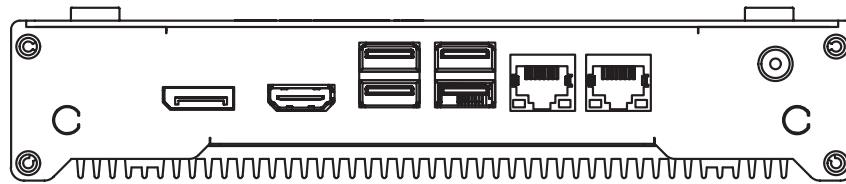
CONFIGURABLE & ACCESSORIES

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
4G LTE module	Sierra Wireless LTE - Verizon® or AT&T® 4G M.2 Module
DIN rail kit	DIN1-KIT
Wall mount kit	6620080721
AC wall adapter	3771030341
Operating System	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

DIMENSIONS



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