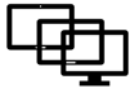


# INDUSTRIAL EMBEDDED COMPUTER IEC-800 SERIES



Industrial Embedded Computer  
Supporting 8th/9th Gen Intel® Core™  
i5/i7 Coffee Lake™ Processor via  
socket 1151, Q370 Chipset, Supports:  
NVIDIA® RTX 3070 GPU, 4 GbE Ports  
Isolated PoE, 1 DisplayPort, 1 HDMI, 1  
VGA, 4 GbE LAN, 1 RS232/422/485, 4  
USB 3.2 Gen1, 4 USB 3.1 Gen2, WiFi  
Ready



Triple  
Monitors



Multi-Processor  
Support



Wide  
Temp



Fanless



WiFi  
Ready



GPU



PoE

## SYSTEM SPECIFICATIONS

Processor	Intel® Coffee Lake-S i5-8500T 3.5GHz Intel® Coffee Lake-S i7-8700T 4.0GHz Intel® Coffee Lake i5-9500T 3.70GHz Intel® Coffee Lake i7-9700T 4.30GHz
Processor Generation	Coffee Lake™
Processor Cores	6 • i5-8500T 6 • i7-8700T 6 • i5-9500T 8 • i7-9700T
Memory	Up to 128GB DDR4 2666MHz UDIMM
Storage	1 • M.2 SSD 2 • Hot-swappable external 2.5" 3.0 SATA drive bay 2 • 2.5" SATA 3.0 SSD internal drive bays
Chipset	C370
Graphics	Intel® HD Graphics
LAN Controller	1 • Intel® I219-LM GbE LAN ports PHY 3 • Intel® I210-AT GbE LAN port
System I/O	Front 1 • Power Button 2 • Hot-swappable external 2.5" 3.0 SATA drive bay 1 • RS232/422/485 ports 4 • RS232 1 • DisplayPort 1 • HDMI 1 • VGA 4 • USB 3.2 Gen1 ports 4 • USB 3.1 Gen2 ports 4 • Gb LAN Ports 1 • Line-in 1 • Line-out 1 • Mic 1 • Power Connector 1 • 32bit Digital I/O Connector (optional) 4 • PCI Express slots for GPU (optional) 4 GbE Port Isolated PoE Module (optional)
BIOS	AMI
Watchdog Timer	256 levels, 1~255 sec.
Expansion Interface	1 • PCIe x 16 3 • PCIe x 4 1 • M.2
System Indicator	1 • blue LED for system power-on 1 • amber LED for SSD active

## MECHANICAL SPECIFICATIONS

Color	Blue & Silver
Construction	Aluminum alloy with heavy steel
Dimensions (W x H x D)	333.80mm x 230mm x 307.27mm (13.14" x 9.05" x 12.09")
Mounting	Wall mount bracket (optional)

## FEATURES

- Supporting Intel® Core i5/i7 Hexa/Octo-Core 3.5GHz-4.0GHz High-Performance Processors with Fanless Design
- Up to 128GB DDR4 2666MHz UDIMM
- 2 • Hot-swappable 2.5" SATA 3.0 ports (RAID Support)
- 4 • RS232, 1 • RS232/422/485, 4 • 3.2 USB Gen1 ports, 4 • 3.1 USB Gen2 ports
- 1 • PCIe x 16, 3 • PCIe x 4, 1 • M.2, 1 • PCIe Mini Card (full height)
- 1 • NVIDIA® GeForce RTX 3070, 1 • HDMI, 3 • Display Ports
- 1 • 32bit Isolated Digital I/O Module (optional)
- 1 • 4 GbE Port Isolated PoE Module (optional)
- Supports: 1 • HDMI, 1 • DisplayPorts, 1 • VGA
- Wide range operating temperature supported
- Integrated Fanless 450W Power Supply



## POWER SUPPLY

Power Supply Integrated Fanless 450W Power Supply

## REGULATORY SPECIFICATIONS

Operating Temperature	-0°C ~ 60°C (32°F ~ 140°F)
EMI/EMC	CE standards applied (EN 55022 / EN 55024 / EN 55032) FCC - Assembled using FCC certified components RoHS
Vibration	Operating: 1G 5-500Hz, 3 Axes according to IEC60068-2-64

## ORDERING INFORMATION

Base	IEC-800 Industrial Embedded Computer, Supports 8th / 9th Coffee Lake Core Processor, Intel Q370, Chipset, 1- Power button, 4- USB 3.2 Gen1, 4- USB 3.1 Gen2 Ports, 2- USB 2.0 Ports (Front), 3- Intel I210-AT GbE LAN Port, 1- Intel I219LM GbE LAN, 1- VGA, 1- DP Port, 1- HDMI, 1- RS232/422/485 Ports, 1- Audio Jack: (Line-In) (Line-Out) (Mic-In), 1- PCIe x16, 3- PCIe x4, 1- Mini-PCIe (Full size), 1- M.2, Integrated Fanless 450W Power Supply
IEC-800_	

## CONFIGURABLE & ACCESSORIES

Processor	Intel® i5-8500T 3.5GHz, Intel® i7-8700T 4.0GHz, Intel® i5-9500T 3.7GHz, Intel® i7-9700T 4.3GHz
GPU	NVIDIA GeForce RTX 3070, Core 5888, 8GB GDDR6, 14Gbps, 256bit, 3- Display Ports, 1- HDMI
PoE Module	4 GbE Port Isolated PoE Module
Digital I/O	32bit Digital I/O Module: 4Ports (each port 8bit)
DDR4 UDIMM	16GB, 32GB, 64GB, 128GB
1 • M.2 SSD	250GB, 500GB, 1TB, 2TB
2 • 2.5" SATA SSD Internal	250GB, 500GB, 1TB, 2TB, 4TB
2 • 2.5" SATA SSD Hot-Swappable	250GB, 500GB, 1TB, 2TB, 4TB
1 • PCIe M.2 SSD	250GB, 500GB, 1TB, 2TB
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
4 • RS232/422/485	RS232 0V/5V/12V
Wall mount bracket kit	6650224021

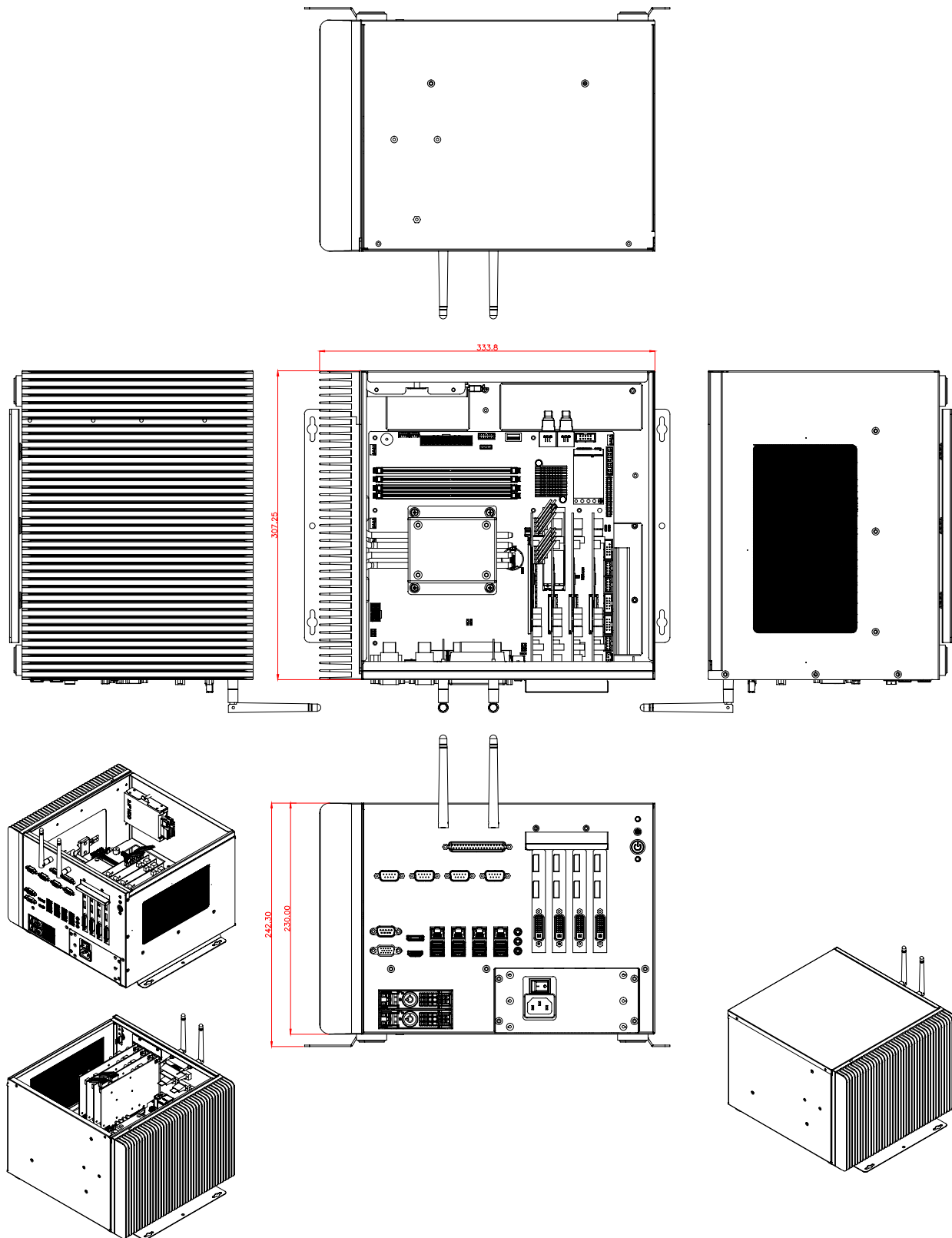
## CONFIGURABLE & ACCESSORIES

Operating System	Windows® 10 IoT Enterprise 2016 LTSC Value (i3/i5), Windows 10 IoT Enterprise 2016 LTSC High End (i7/Xeon), Windows® 10 IoT Enterprise 2019 LTSC Value (i3/i5), Windows® 10 IoT Enterprise 2019 LTSC High End (i7/Xeon), Windows® 10 Professional 64bit, Windows® Embedded Server 2016 64 bit 4 Core, Ubuntu® Desktop 16.04 LTS 64bit, Ubuntu® Server 16.04 LTS 64bit, Ubuntu® Desktop 18.04 LTS 64bit, Ubuntu® Server 18.04 LTS 64bit
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## WARRANTY

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

## DIMENSIONS



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