

INDUSTRIAL RACKMOUNT COMPUTER IRC-100 SERIES



Industrial Rackmount Computer with Intel® Core™ i7 8th or 9th Generation Processor via socket 1151, Q370 Chipset, Supports: 2- Removable 2.5" SATA drives, 2- DisplayPorts, 1- HDMI, 2- GbE LAN, 4- USB 3.1 Gen2, 4- USB 3.1 Gen1, 2- USB 2.0, TPM2.0, 2- PCI Express: 2.5GbE PoE, 10GbE Network, 5G Cellular, Fanless Design



High Performance



Multi-Processor Support



PoE & 10GbE Network Support



Triple Monitor Support



Fanless



5G Ready

SYSTEM SPECIFICATIONS

Processor	Intel® 8th Generation i7-8700T 4.00GHz Max Intel® 9th Generation i7-9700T 4.30GHz Max
Processor Generation	Coffee Lake-S™
Processor Cores	6 • i7-8700T 8 • i7-9700T
Memory	Up to 64GB DDR4L SO-DIMM
Storage	1 • M.2 SSD up to 4TB (RAID 10 Support) 2 • Removable external 2.5" 3.0 SATA drive bay up to 4TB (RAID 0/1/5/10 Support)
Chipset	Q370
Graphics	Intel® HD Graphics
LAN Controller	Intel® I219-LM GbE LAN port-PHY Intel® I210-AT GbE LAN
System I/O	Front 1 • Power Button 2 • USB 2.0 ports 2 • Removable external 2.5" 3.0 SATA drive bay Black 2 • PCI Express Slots 2 • DisplayPort 1 • HDMI 4 • USB 3,1 Gen2 ports 4 • USB 3.1 Gen1 ports 2 • GbE LAN Ports 1 • Line-in 1 • Line-out 1 • Mic 1 • Power Connector
BIOS	AMI
Watchdog Timer	256 levels, 1~255 sec.
Expansion Interface	1 • PCIe Mini Card (full height) 1 • M.2 E Key 2 • PCI Express Slots x 16
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)	431.8mm x 43.8mm x 304.8mm (17.00" x 1.70" x 12.00")
Mounting	Rail Mount (optional)

POWER SUPPLY

Power Input	Integrated 400W Power Supply
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FEATURES

- Intel® 8th & 9th Generation 6- Core & 8- Core processors 4.0GHz~4.30GHz Max
- 64GB DDR4 SO-DIMM max
- 1• M.2 SSD up to 4TB (RAID 10 Support)
- 2• Removable 2.5" SATA 3.0 ports up to 4TB each (RAID 0/1/5/10 Support)
- 4• 3.1 USB Gen2 ports, 4• 3.1 USB Gen1 ports, 2• 2.0 USB ports
- 2• GbE LAN, 4• 3.1 USB Gen2 ports, 4• 3.1 USB Gen1 ports, 2• 2.0 USB ports
- 1• 5G Cellular (optional)
- 1• 4 Port 2.5GbE PoE Module (optional)
- 1• 10GbE 2 or 4 Port Intel® Network Adapter (optional)
- TPM2.0
- Fanless Design

REGULATORY SPECIFICATIONS

Operating Temperature	0°C ~ 60°C (32°F ~ 140°F)
EMI/EMC	CE standards applied (EN 55022 / EN 55024 / EN 55032) FCC 47 CFR Part 15 (Class A) RoHS
Vibration	Operating: 1G 5-500Hz, 3 Axes according to IEC60068-2-64

ORDERING INFORMATION

Base	IRC-100 1U Industrial Rackmount Computer - Fanless, Supports 8th / 9th Gen Coffee Lake-S Series Processors, Intel Q370 Chipset, 1- Power button, 4- USB 3.1 Gen1, 4- USB 3.1 Gen2 Ports, 2- USB 2.0 Ports (Front), 1- Intel I210-AT GbE LAN Port, 1- Intel I219LM GbE LAN, 2- DP Port, 1- HDMI, 1- Audio Jack: (Line-In) (Line-Out) (Mic-In), 1- PCIe x16, 1- PCIe x 4, 1- M.2, Integrated 400W Power Supply, (Does not include Power Cord)
IRC-100_	

CONFIGURABLE & ACCESSORIES

Processor	Intel® i7-8900T 4.00GHz Max, Intel® i7-9700T 4.3GHz Max
M.2 SSD	250GB, 500GB, 1TB, 2TB, 4TB
1 • 2.5" SATA SSD	250GB, 500GB, 1TB, 2TB, 4TB
DDR4 SO-DIMM	8GB, 16GB, 32GB, 64GB Windows® 10 IoT Enterprise 2021 LTSC High End (i7/i9), Windows® 10 Professional 64bit, Windows® 11 IoT Enterprise 2024 LTSC High End (i7/i9), Windows® 11 Professional 64bit, Ubuntu® Desktop 22.04 LTS 64bit, Ubuntu® Server 22.04 LTS 64bit
Operating System	Intel® Wi-Fi 6 AX200 Wi-Fi / Bluetooth M.2 Module
WiFi module	2 • PCI Express Module x16 4- Port USB 3.0 to PCI Express Card Expansion card 4- Port 2.5GbE PoE Module 2- Port Intel® 10GbE Network Module 4- Port Intel® 10GbE Network Module (Verizon®) 5G Embedded Quectel RM520N-GL, Includes: 4- 5G Antennas (AT&T®, T-Mobile®) 5G Embedded Quectel® RM520N-GL, Includes: 4- 5G Antennas
Sliding Rail Kit	6610030321
Power Cord	US Power Cord, Black, 6ft EU Power Cord, Black, 6ft UK Power Cord, Black, 6ft AU Power Cord, Black, 6ft

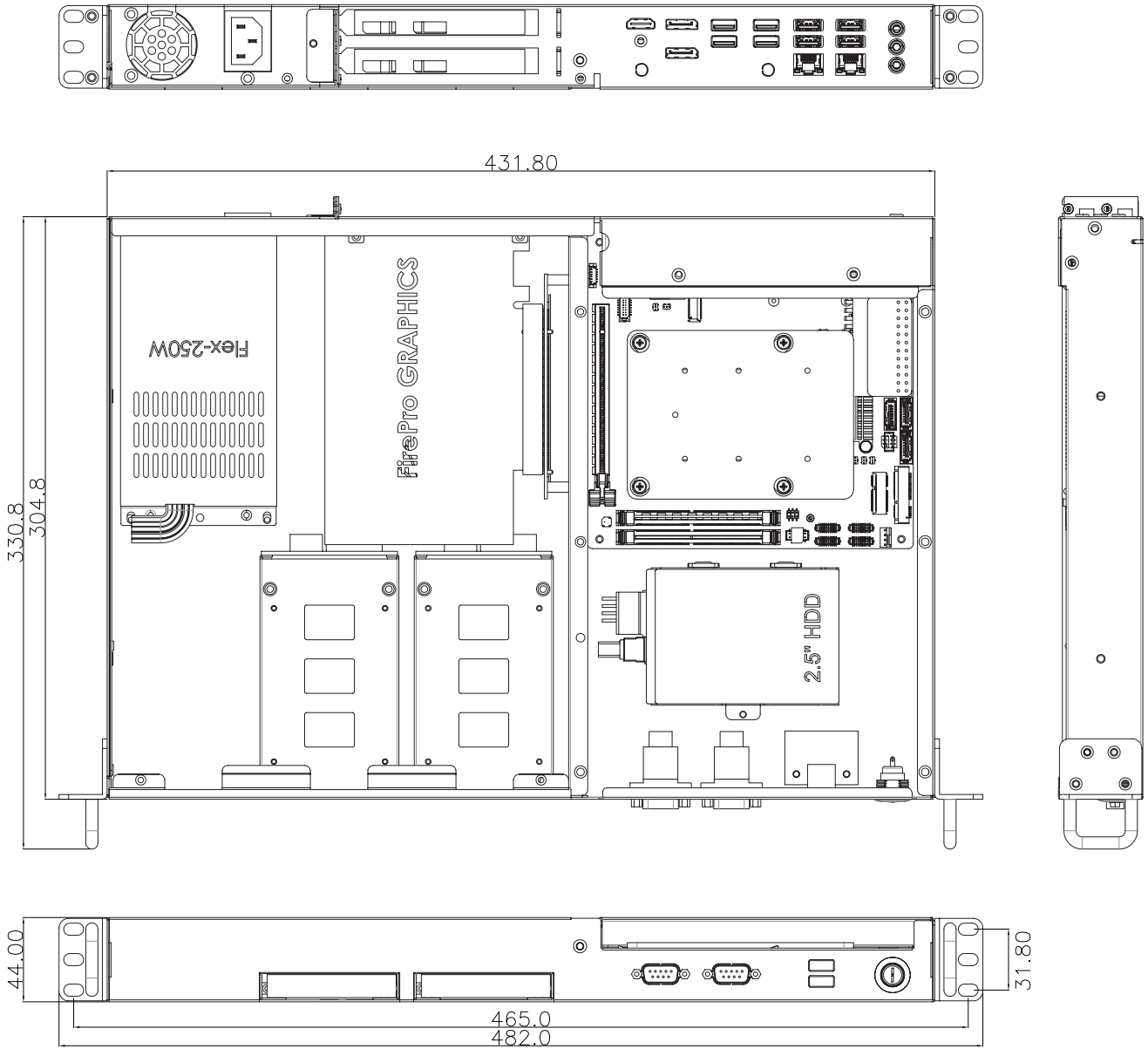
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WARRANTY

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

DIMENSIONS



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