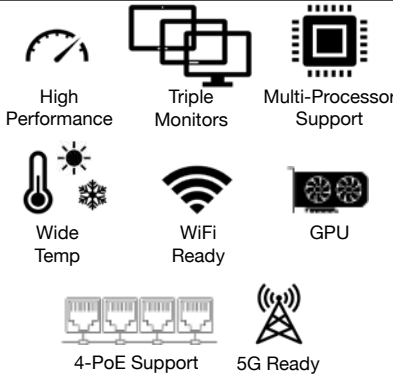


INDUSTRIAL EMBEDDED COMPUTER IEC-602 SERIES



Industrial Embedded Computer with Intel® Ultra 5/7/9 Processor via socket 1851, H810 Chipset, Supports: 1- 2.5GbE LAN, 1- 1GbE LAN, 2- USB 3.2 Gen2, 2- USB 3.2 Gen1, 1- DisplayPorts, 2- HDMI, 1- RS232/422/485, 1- RS232, 2- 2.5" Removable SSD SATA 3.0, 1- 2.5" Internal SATA 3.0 SSD, Onboard TPM2.0, 1- M.2 M Key, 1- M.2 E Key, 2- PCI Express x16 Gen5, Integrated: 12-48 VDC @ 500W or 800W Power Supply



FEATURES

- Intel® Ultra 5/7/9, 14- Core ~ 24- Core processors 5.20GHz~5.70GHz Max
- Up to 96GB DDR5 5600MHz SODIMM
- 2• 2.5" Removable SATA 3.0 ports (RAID 0/1/5/10 Support)
- 1• 2.5" Internal SATA 3.0 ports (RAID 0/1/5/10 Support)
- 2• USB 3.2 Gen2 ports, 2• USB 3.2 Gen1 ports
- 1• HDMI, 1• DisplayPorts, 1• VGA
- 1• PCI Express x 16 Gen5, 1• PCI Express x 16 Gen4, 1• M.2 M Key, 1• M.2 E Key
- Support Multiple NVIDIA® GPU versions
- 2• 4- Port 2.5GbE Isolated PoE Module
- 1• 5G Module
- Industrial IP40 Rated Design
- Wide range operating temperature supported
- Integrated: 12-48 VDC @ 500W or 800W Power Supply

SYSTEM SPECIFICATIONS

Processor	Intel® U5-245K 5.20 GHz Max Intel® U7-265K 5.50 GHz Max Intel® U9-285K 5.70 GHz Max
Processor Generation	Arrow Lake-S™ Refresh Intel® Core™ Ultra Processors (Series 2)
Processor Cores	14 • U5-245K 20 • U7-265K 24 • U9-285K
Memory Storage	Up to 96GB DDR5 5600MHz SODIMM 1 • M.2 SSD 2 • 2.5" Removable 3.0 SATA drive bays 1 • 2.5" SATA 3.0 SSD internal drive bays
Chipset	H810
Graphics	Intel® Graphics
LAN Controller	1 • Intel® I226-LM 2.5GbE LAN port 1 • Intel® I219-LM 1GbE LAN port
TPM	Infineon® SLB9672VU20
System I/O	Front 1 • Power Button 1 • 2.5" Removable 3.0 SATA drive bay 1 • RS232/422/485 port 1 • RS232 port 1 • DisplayPort 2 • HDMI 2 • USB 3.2 Gen2 ports 2 • USB 3.2 Gen1 ports 1 • Line-out 1 • Mic 2 • WiFi RP-SMA connectors 1 • Power Connector 2 • PCI Express slots
BIOS	AMI
Watchdog Timer	256 levels, 1~255 sec.
Expansion Interface	1 • PCIe x 16 Gen5 1 • PCIe x 16 Gen4 (Optional) 2 • M.2 M Key, 1 • M.2 B Key, 1 • M.2 E Key
System Indicator	1 • blue LED for system power-on 1 • amber LED for SSD active

MECHANICAL SPECIFICATIONS

Color	Blue & Silver
Construction	Industrial grade heavy steel
Dimensions (W x H x D)	251.5mm x 168mm x 285mm (9.90" x 6.06" x 11.2")
Mounting	Wall mount bracket (optional)

POWER SUPPLY

Power Supply	Integrated: 12-48 VDC @ 500W or 800W Power Supply
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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 Subpart B RoHS UL Pending Certification
Vibration	Operating: 1G 5-500Hz, 3 Axes according to IEC60068-2-64

ORDERING INFORMATION

Base	IEC-602 Industrial Embedded Computer, Supports Ultra 5/7/9 Processors, Intel H810 Chipset, 2- 2.5" Removable SATA 3.0 Drives, 1- Power button, 2- USB 3.2 Gen2 Ports, 2- USB 3.2 Gen1 Ports, 1- Intel i226-V 2.5GbE LAN Port, 1- Intel i219-LM 1GbE LAN Port, HDMI Ports, 2- DP Port, 1- Audio Jack: (Line-Out) (Mic-In), 2- PCIe x16, 1- M.2 M Keys, 1- M.2 E Key, 1- Internal 2.5" SATA 3.0 Drive
IEC-602_	

WARRANTY

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

INDUSTRIAL EMBEDDED COMPUTER IEC-602 SERIES



CONFIGURABLE & ACCESSORIES

Processor	Intel® U5-245K 5.20 GHz Max, Intel® U7-265K 5.50 GHz Max, Intel® U9-285K 5.70 GHz Max
Power Supply	12-48 VDC @ 500W or 800W AC Power Supply
1 • M.2 M Key SSD	250GB, 500GB, 1TB, 2TB, 4TB
2 • 2.5" Removable SATA 3.0 SSD	250GB, 500GB, 1TB, 2TB, 4TB
2 • 2.5" Internal SATA 3.0 SSD	250GB, 500GB, 1TB, 2TB, 4TB
DDR5 SODIMM	16GB, 32GB, 48GB
WiFi module	Intel® 9260 802.11ac/a/b/g/n Wi-Fi / Bluetooth 5.1 M.2 Module Intel® AX210 Wi-Fi / 802.11ax/ac Wi-Fi / Bluetooth 5.2 M.2 Module

PCI Express x16

Support Multiple NVIDIA® GPU versions

4- Port 2.5GbE PoE Module
(Verizon®) 5G Embedded Quectel RM520N-GL,
Includes: 4- 5G Antennas

PCI Express x16

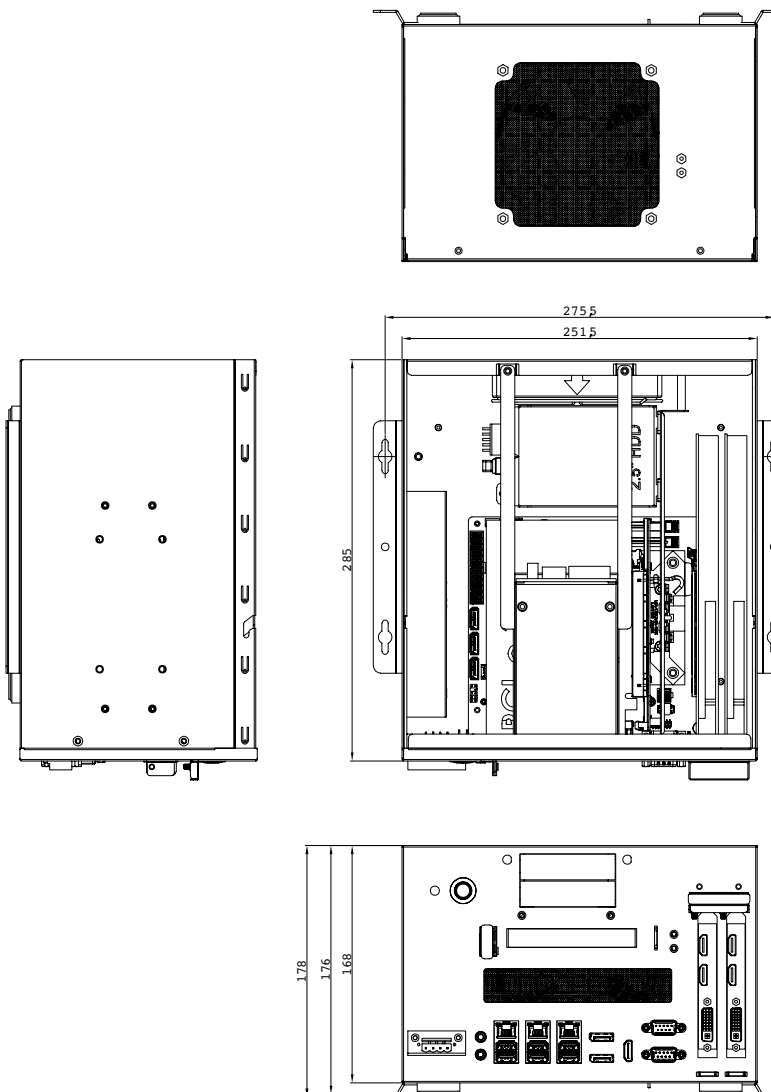
Support Multiple NVIDIA® GPU versions

4- Port 2.5GbE PoE Module
(Verizon®) 5G Embedded Quectel RM520N-GL,
Includes: 4- 5G Antennas
(AT&T®, T-Mobile®) 5G Embedded Quectel®
RM520N-GL, Includes: 4- 5G Antennas

Wall mount bracket kit
Operating System

6640229021 with Vibration Isolators
Windows® 10 IoT Enterprise 2021 LTSB Value (i3/i5),
Windows® 10 IoT Enterprise 2021 LTSB High End (i7/i9),
Windows® 10 Professional 64bit,
Windows® 11 IoT Enterprise 2024 Value (i3/i5),
Windows® 11 IoT Enterprise 2024 High End (i7/i9),
Windows® 11 Professional 64bit,
Ubuntu® Desktop 24.04 LTS 64bit

DIMENSIONS



Measurements shown in mm. All dimensions are ± 0.5mm