

WCO-3200-IP67

IP67 Waterproof System with Intel® Pentium® Processor N4200, 4GB RAM, 128GB SSD

FEATURES

- Intel® Pentium® Processor N4200, Quad Core, 2MB Cache, 2.5 GHz
- 4GB DDR3L 1600MHz SODIMM
- Single display supported by 1x VGA (waterproof connector)
- 2x LAN by M12 X-Code 8-pin
- 1x RS-232/422/485 by M12 D-Code 8-pin, 1x USB 3.0 (waterproof connector), 2x USB 2.0 by M12 D-Code 6-pin
- 1x 128GB 2.5" SATA SSD and 2x mSATA
- 2x Full-size mini PCIe for communication or expansion modules, 2x internal SIM socket
- Full system IP67 level dustproof & waterproof
- 9 to 50VDC wide range power input
- -40°C to 70°C extended operating temperature



SPECIFICATIONS

SYSTEM

Processor	Intel® Pentium Processor N4200, Quad Core, 2MB Cache, 2.5 GHz
System Chipset	SoC integrated
LAN Chipset	GbE1 & GbE2: Intel® I210-AT (Support Wake-on-LAN and PXE)
Audio Codec	Realtek ALC888S
System Memory	4GB DDR3L 1600MHz SODIMM
BIOS	AMI 128Mbit SPI BIOS
Watchdog	Software Programmable Supports 1~255 sec. System Reset

DISPLAY

VGA	1x VGA (Waterproof connector)
Multiple Display	Single Display

STORAGE

SSD/HDD	1x 128GB 2.5" SATA SSD
mSATA	1x mSATA (shared by 1x Mini PCI Express)
CFast	1x CFast (shared by 1x mSATA & 1x SATA)
SIM Socket	2x Internal SIM socket

EXPANSION

Mini PCI Express	2x Full-size Mini PCIe
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I/O

COM	1x RS-232/422/485 by M12 D-Code 8-pin
USB	1x USB 3.0 (Waterproof connector) 2x USB 2.0 by M12 D-Code 6-pin
LAN	2x LAN by M12 X-Code 8-pin
Others	2x WiFi Antenna 1x Power Switch

OPERATING SYSTEM

Windows	Windows 10
Linux	Linux kernel 4.X

POWER

Power Mode	ATX
Power Supply Voltage	9~50VDC
Power Connector	M12 A-code 4-pin
Power Adaptor	Optional AC/DC 12V/5A, 60W Optional Waterproof Power Input Cable
Power Protection	OVP (Over Voltage Protection) OCP (Over Current Protection) Reverse Protection

ENVIRONMENT

Operating Temp.	-40°C to 70°C
Storage Temp.	-40°C to 85°C
Relative Humidity	10% to 95% (non-condensing)
Vibration	With SSD: 5 Grms, 5 - 500 Hz, 0.5 hr/axis With HDD: 1 Grms, 5 - 500 Hz, 0.5 hr/axis
Shock	With SSD: 50G, half sine, 11ms
Standards / Certification	IP67, CE, FCC Class A

PHYSICAL

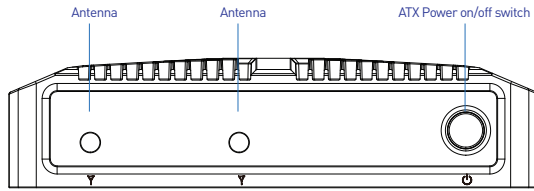
Construction	Extruded Aluminum with Heavy Duty Metal
Dimension	231 (W) x 292 (D) x 56.5 (H) mm
Weight	TBD
Mounting	Wall Mounting

* For detailed performance specification, please refer to the data sheet or consult with the technical team.

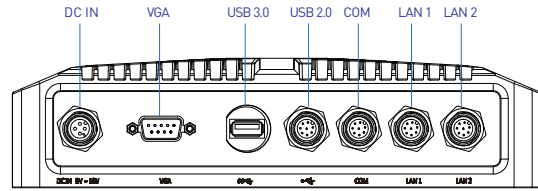
† The environmental specification covers the bare bone systems and does not include other components environmental specification.

EXTERNAL I/O MECHANICAL LAYOUT

Front Panel

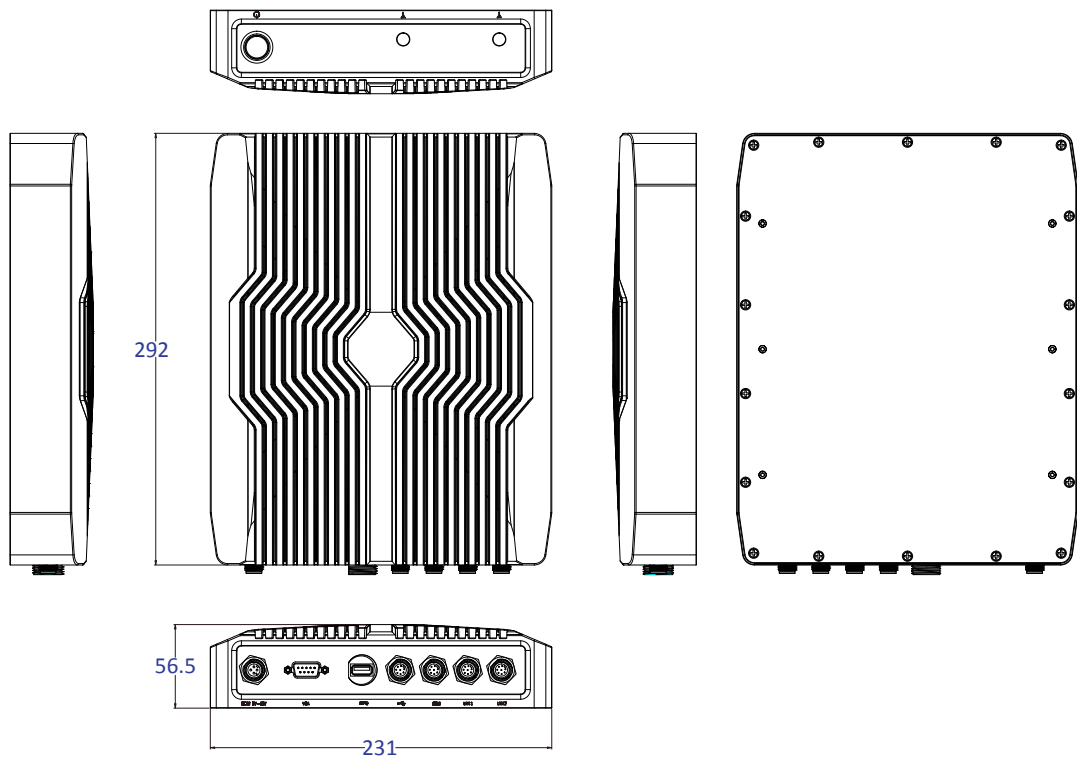


Rear Panel



DIMENSION

Unit: mm



AVAILABLE MODELS

MODEL NO.	DESCRIPTION
WCO-3200-IP67-N4200	IP67 Waterproof System with Intel® Pentium® Processor N4200, 4GB RAM, 128GB SSD

OPTIONAL ACCESSORIES

MODEL NO.	DESCRIPTION
1-E09A06007	Adapter AC/DC 12V 5A 60W with 3pin Terminal Block Plug 5.0mm Pitch
1-TXXX00003	Waterproof Power Input Cable 1.5M
1-TVGA00003	Waterproof VGA Cable 1.5M
1-TUSB00016	Waterproof USB 3.0 Cable 1.5M
1-TUSB00015	Waterproof USB 2.0 Cable 1.5M
1-TCOM00011	Waterproof COM Cable 1.5M
1-TLAN00006	Waterproof LAN Cable 1.5M

PACKING LIST

- 1x WCO-3200 Series Embedded System
- 1x Utility DVD Driver
- 1x Wall Mount Kit
- 1x Waterproof Connector Cover Set

