

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

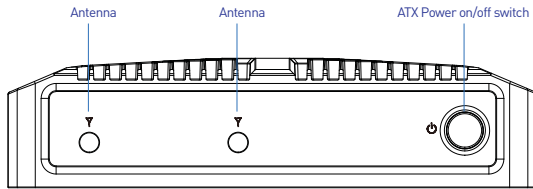
Operating Temp.	-40°C to 70°C
Storage Temp.	-40°C to 85°C
Relative Humidity	10% to 95% (non-condensing)
Vibration	With SSD: 5 Grms, 5 - 500 Hz, 0.5 hr/axis With HDD: 1 Grms, 5 - 500 Hz, 0.5 hr/axis
Shock	With SSD: 50G, half sine, 11ms
Standards / Certification	IP67, CE, FCC Class A

PHYSICAL

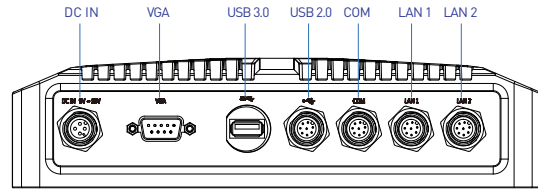
Construction	Extruded Aluminum with Heavy Duty Metal
Dimension (WxDxH)	231 x 292x 56.5 mm
Weight	TBD
Mounting	Wall Mounting

EXTERNAL I/O MECHANICAL LAYOUT

Front Panel

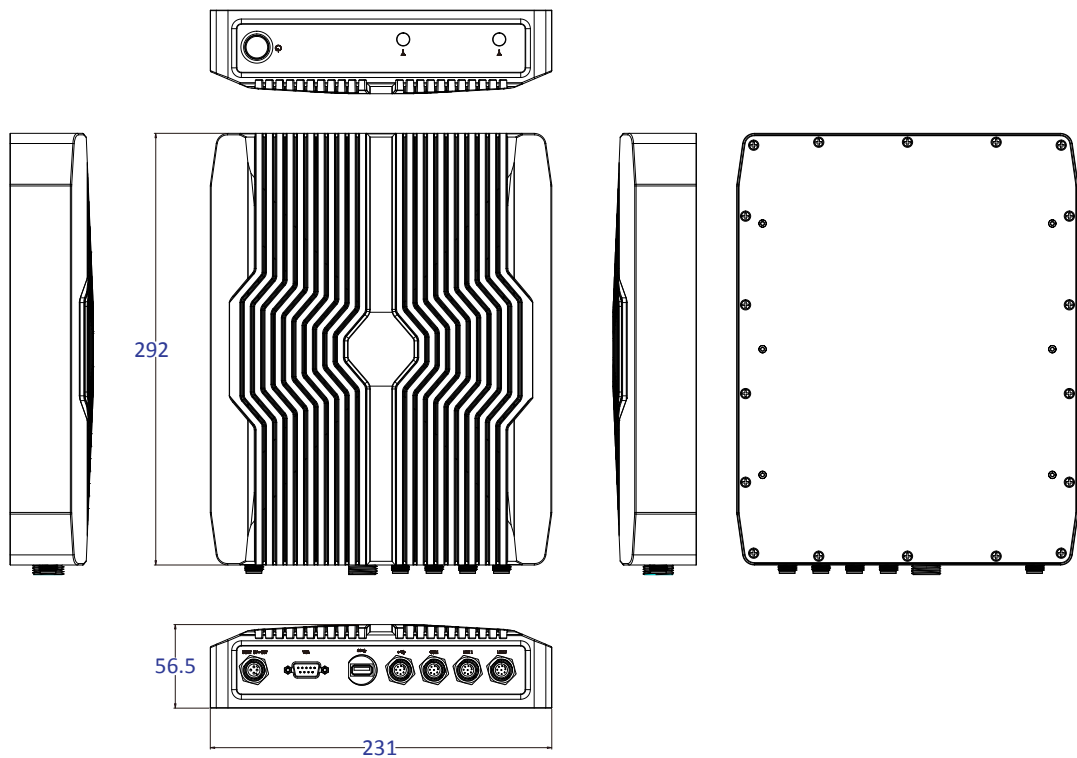


Rear Panel



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
TBD	Waterproof Power Input Cable 1.5M
TBD	Waterproof VGA Cable 1.5M
TBD	Waterproof USB 3.0 Cable 1.5M
TBD	Waterproof USB 2.0 Cable 1.5M
TBD	Waterproof COM Cable 1.5M
TBD	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