

RXW-900 Series

8th/9th Gen Intel® Core™ Modular-Designed Embedded System



Key Features



DDR4

DDR4 SODIMM up to 64GB



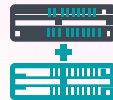
Wide-Temperature

Operating temperature: -20 to 70°C



Three Independent Displays

1 VGA + 2 HDMI/DP++ (auto detection)



Multiple Expansion

3 M.2 slots (1 M.2 2230 E key, 1 M.2 3042/3052 B key, 1 M.2 2280 M key)



Rich I/O

2 GbE, 6 COM, 4 USB 3.1, 2 USB 2.0 (Q370/C246 only)

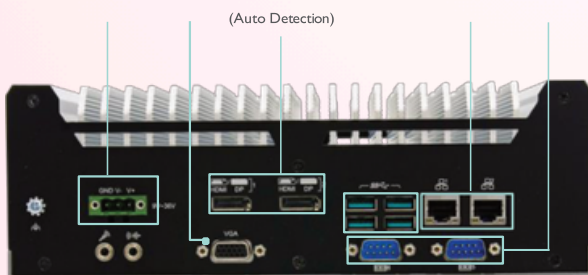


Support 5G Communication

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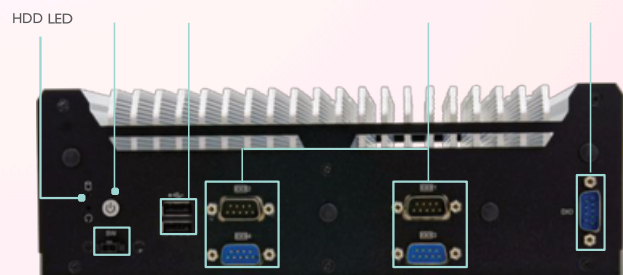
Panel

DC-in VGA HDMI/DP++ USB 3.1 Lan 1~2 COM



Front View

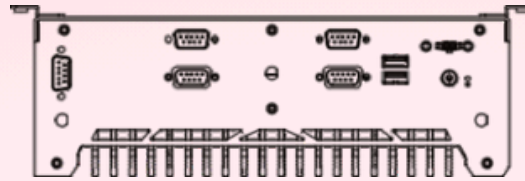
Status, Power USB 2.0 COM DIO



Remote Switch

Rear View

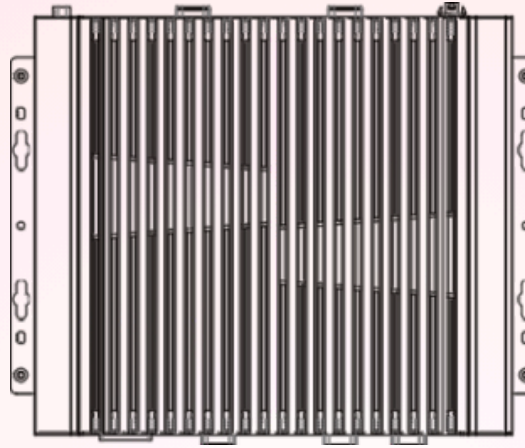
Dimensions



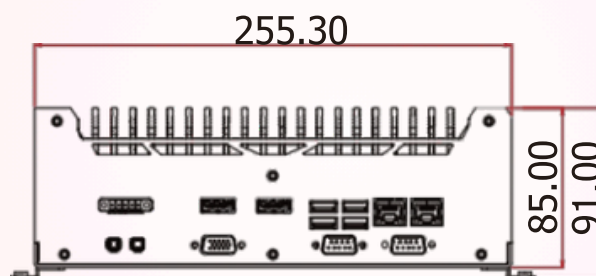
Front View



Left View

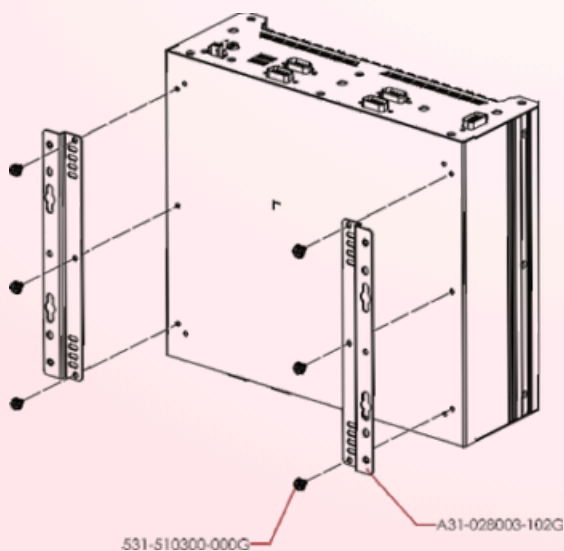
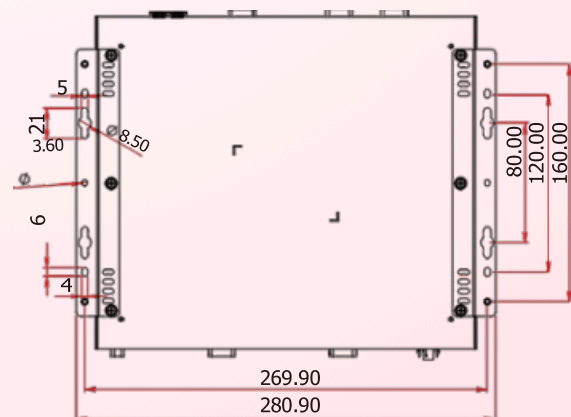


Right View



Rear View

Wall Mounting



Item	Specification	
System	Processor	8th/9th Generation Intel® Core™ Processors, LGA 1151 Intel® Core™ i7-9700TE , Octa Cores, 12M Cache, up to 3.8 GHz, 35W Intel® Core™ i5-9500TE , Hexa Cores, 9M Cache, up to 3.6 GHz), 35W Intel® Core™ i3-9100TE, Quad Cores, 6M Cache, up to 3.2 GHz, 35W Intel® Core™ i7-8700T Processor, Hexa Core, 12M Cache, 2.4GHz (4GHz), 35W Intel® Core™ i5-8500T Processor, Hexa Core, 9M Cache, 2.1GHz (3.5GHz), 35W Intel® Core™ i3-8100T Processor, Quad Core, 6M Cache, 3.1GHz, 35W Intel® Pentium® Processor G5400T, Dual Core, 4M Cache, 3.1GHz, 35W Intel® Celeron® Processor G4900T, Dual Core, 2M Cache, 3.1GHz, 35W
	Chipset	Intel® Q370/C246/H310 Chipset
	Memory BIOS	Two 260-pin DDR4 2400/2666MHz SODIMM up to 64GB AMI SPI 128Mbit
Graphics	Internal	2 x 2.5" SATA 3.0 Drive Bay support RAID 0/1 (for Q370/C246)
Graphics	Controller Feature	Intel® HD Graphics OpenGL up to 5.0, DirectX 11, OpenCL 2.1 HW Decode: HEVC/H.265, H.264, M/JPEG, MPEG2, VC1/WMV9, VP8 (8-bit), VP9 (10-bit) HW Encode: HEVC/H.265, M/JPEG, MPEG2, VP8
	Display	Q370/C246: 1 x VGA 2 x HDMI/DP++ (auto detection) H310: 1 x VGA 1 x HDMI/DP++ (auto detection) VGA: resolution up to 1920x1200 @ 60Hz HDMI: resolution up to 4096x2160 @ 30Hz DP++: resolution up to 4096x2304 @ 60Hz
	Dual/Triple Display	Q370/C246: 1 x VGA + 2 x HDMI/DP++ (auto detection) H310: 1 x VGA + 1 x HDMI/DP++ (auto detection)
Audio	Audio Codec	Realtek ALC888
Ethernet	Controller	Q370/C246: 1 x Intel® I211AT PCIe (10/100/1000Mbps) 1 x Intel® I219LM with iAMT11.0 PCIe (10/100/1000Mbps) (only Core i7/i5 supports iAMT) H310: 1 x Intel® I211AT PCIe (10/100/1000Mbps) 1 x Intel® I219V PCIe (10/100/1000Mbps)
LED	Indicators	1 x Status LED 1 x HDD LED
FRONT I/O	Serial	4 x RS-232/422/485 (DB-9) 4
	USB	x USB 2.0 (type A)
	DIO	8 bit (DB-9)
	Buttons	1 x Power button 1 x Reset button
	Antenna	4 x Antenna hole

Disclaimer: As per our company policy one of the constant product improvements the right is there for reserved to modify the product specification on without prior notice and the picture shown in the datasheet is a design base, the actual picture may vary.

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REAR I/O	Ethernet	4 x GbE (RJ-45)
	Serial	2 x RS-232 (DB-9)
	USB	4 x USB 3.1 (type A)
	Display	Q370/C246:VGA + 2 x HDMI/DP++ (auto detection) H310: VGA + 1 x HDMI/DP++ (auto detection)
	Audio	1 x Line-out 1 x Mic-in
WATCHDOG TIMER	Output & Interval	System reset, programmable via software from 1 to 255 seconds
SECURITY	TPM	TPM 2.0
POWER	Type	Wide range 9~36V
	Connector	3-pole terminal nlock 3-pin power extension switch connector
OS SUPPORT	Window	Windows 10 IoT Enterprise 64 Bit
	Linux	Linux (available upon request)

SPECIFICATION

Item	Specification	
MECHANISM	Construction	Metal + Aluminum
	Mounting	Wall Mount
	Dimensions (W x H x D)	255.3 x 85 x 224mm
	Weight	4.15 kg
ENVIRONMENT	Operating Temperature	-20 to 70°C (SSD or mSATA) -20 to 85°C 5 to 95% RH (non-condensing)
STANDARDS AND CERTIFICATIONS	Shock Vibration Certification	Half sine wave 3G, 11ms, 3 shock per axis IEC68-2-64 CE, FCC Class A, RoHS, BIS

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