

WM130-RPS

Q670E
R680E
H610E

14th/13th/12th Gen Intel® Core™
Wallmount Desktop Box IPC



KEY FEATURES



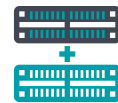
Compact Size

Compact design for effortless setup and deployment



One-Side Rich I/O

2 Intel 2.5GbE, 2 COM, 6 USB 3.2, 1 HDMI 2.0, 1 DP++ 1.2



One PCIe Slot Expansion

Support full height GPU/IO card by single slot



WiFi 6 Communication

Support WiFi 6 module

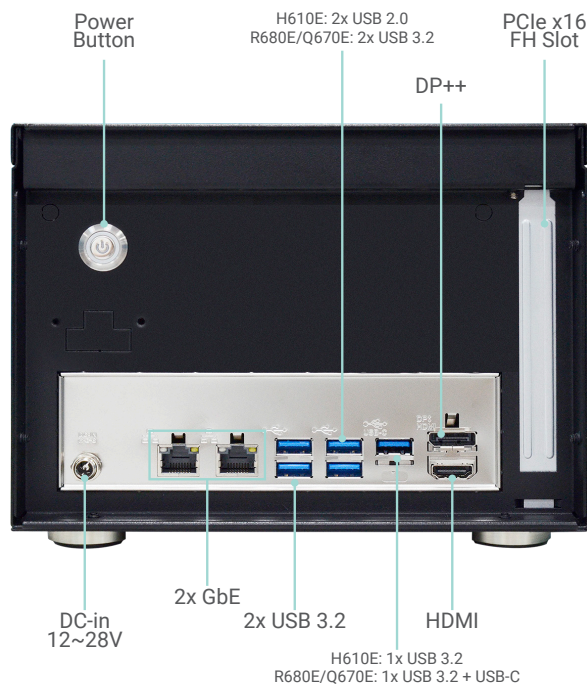


More I/O Expansions

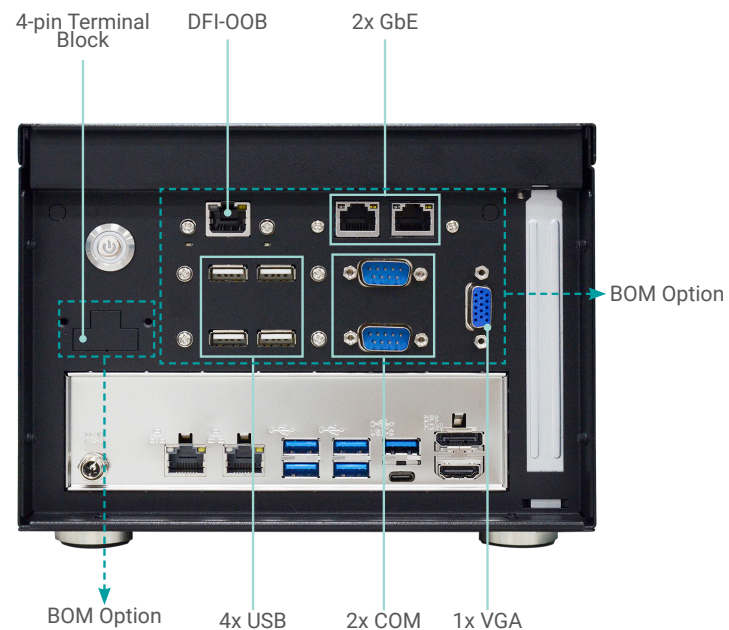
Reserve USB/DB9/LAN I/O holes for expansion requests



PANEL

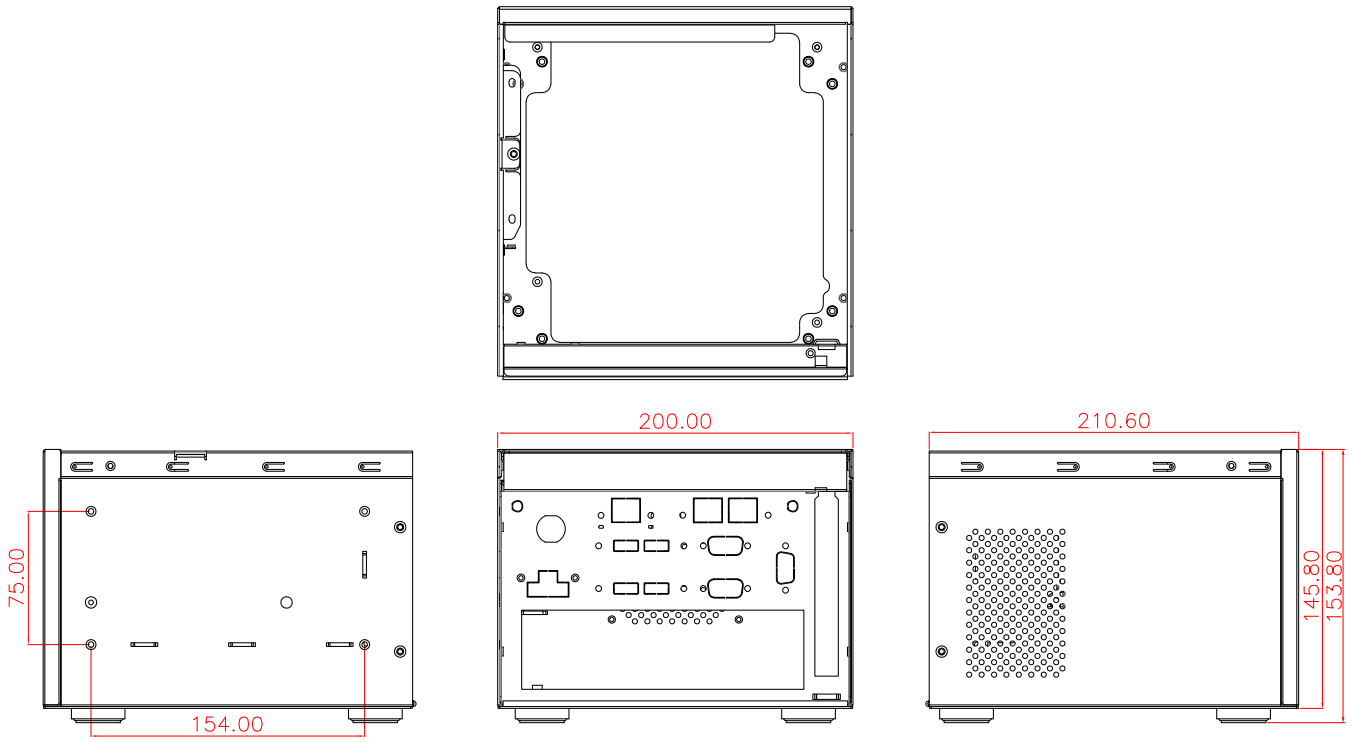


Front View



Front View- BOM optional items

DIMENSIONS



SPECIFICATION

SYSTEM	Processor	<p>14th Generation Intel® LGA 1700 Socket Processors, TDP support up to 65W Intel® Core™ i9-14900 (24 Cores, 36M Cache, up to 5.8 GHz); 65W Intel® Core™ i9-14900T (24 Cores, 36M Cache, up to 5.5 GHz); 35W Intel® Core™ i7-14700 (20 Cores, 33M Cache, up to 5.4 GHz); 65W Intel® Core™ i7-14700T (20 Cores, 33M Cache, up to 5.2 GHz); 35W Intel® Core™ i5-14500 (14 Cores, 24M Cache, up to 5.0 GHz); 65W Intel® Core™ i5-14500T (14 Cores, 24M Cache, up to 4.8 GHz); 35W Intel® Core™ i5-14400 (10 Cores, 20M Cache, up to 4.7 GHz); 65W Intel® Core™ i5-14400T (10 Cores, 20M Cache, up to 4.5 GHz); 35W Intel® Core™ i3-14100 (4 Cores, 12M Cache, up to 4.7 GHz); 60W Intel® Core™ i3-14100T (4 Cores, 12M Cache, up to 4.4 GHz); 35W Intel® 300 (2 Cores, 6M Cache, 3.9 GHz); 46W Intel® 300T (2 Cores, 4M Cache, 3.4 GHz); 35W</p> <p>13th Generation Intel® LGA 1700 Socket Processors, TDP support up to 65W Intel® Core™ i9-13900E (24 Cores, 36M Cache, up to 5.2 GHz); 65W Intel® Core™ i9-13900TE (24 Cores, 36M Cache, up to 5.0 GHz); 35W Intel® Core™ i9-13900 (24 Cores, 36M Cache, up to 5.6 GHz); 65W Intel® Core™ i7-13700E (16 Cores, 30M Cache, up to 5.1 GHz); 65W Intel® Core™ i7-13700TE (16 Cores, 30M Cache, up to 4.8 GHz); 35W Intel® Core™ i7-13700 (16 Cores, 30M Cache, up to 5.2 GHz); 65W Intel® Core™ i7-13700T (16 Cores, 30M Cache, up to 4.9 GHz); 35W Intel® Core™ i5-13500E (14 Cores, 24M Cache, up to 4.6 GHz); 65W Intel® Core™ i5-13500TE (14 Cores, 24M Cache, up to 4.5 GHz); 35W Intel® Core™ i5-13500 (14 Cores, 24M Cache, up to 4.8 GHz); 65W Intel® Core™ i5-13500T (14 Cores, 24M Cache, up to 4.6 GHz); 35W Intel® Core™ i5-13400E (10 Cores, 20M Cache, up to 4.6 GHz); 65W Intel® Core™ i5-13400 (10 Cores, 20M Cache, up to 4.6 GHz); 65W Intel® Core™ i3-13100E (4 Cores, 12M Cache, up to 4.4 GHz); 65W Intel® Core™ i3-13100TE (4 Cores, 12M Cache, up to 4.1 GHz); 35W Intel® Core™ i3-13100 (4 Cores, 12M Cache, up to 4.5 GHz); 65W Intel® Core™ i3-13100T (4 Cores, 12M Cache, up to 4.2 GHz); 35W Intel® G7400E (2 Cores, 6M Cache, 3.6 GHz); 46W Intel® G7400TE (2 Cores, 6M Cache, 3.0 GHz); 35W Intel® G6900E (2 Cores, 4M Cache, 3.0 GHz); 46W Intel® G6900TE (2 Cores, 4M Cache, 2.4 GHz); 35W</p> <p>12th Generation Intel® LGA 1700 Socket Processors, TDP support up to 65W Intel® Core™ i9-12900E (16 Cores, 30M Cache, up to 5.0 GHz); 65W Intel® Core™ i9-12900TE (16 Cores, 30M Cache, up to 4.8 GHz); 35W Intel® Core™ i9-12900 (16 Cores, 30M Cache, up to 5.0 GHz); 65W Intel® Core™ i7-12700E (12 Cores, 25M Cache, up to 4.8 GHz); 65W Intel® Core™ i7-12700TE (12 Cores, 25M Cache, up to 4.7 GHz); 35W Intel® Core™ i7-12700 (12 Cores, 25M Cache, up to 4.8 GHz); 65W Intel® Core™ i5-12500E (6 Cores, 18M Cache, up to 4.5 GHz); 65W Intel® Core™ i5-12500TE (6 Cores, 18M Cache, up to 4.3 GHz); 35W Intel® Core™ i5-12500 (6 Cores, 18M Cache, up to 4.6 GHz); 65W Intel® Core™ i5-12400 (6 Cores, 18M Cache, up to 4.4 GHz); 65W Intel® Core™ i3-12100E (4 Cores, 12M Cache, up to 4.2 GHz); 60W Intel® Core™ i3-12100TE (4 Cores, 12M Cache, up to 4.0 GHz); 35W Intel® Core™ i3-12100 (4 Cores, 12M Cache, up to 4.3 GHz); 60W Intel® G7400E (2 Cores, 6M Cache, 3.6 GHz); 46W Intel® G7400TE (2 Cores, 6M Cache, 3.0 GHz); 35W Intel® G6900E (2 Cores, 4M Cache, 3.0 GHz); 46W Intel® G6900TE (2 Cores, 4M Cache, 2.4 GHz); 35W</p>	
	Chipset	Intel® R680E/Q670/H610E Chipset	
	Memory	Dual DDR5 SODIMM 5600MHz up to 64GB (ECC support by R680E sku)	
	BIOS	AMI SPI 256Mbit	
	GRAPHICS	Controller	Intel® UHD Graphics 700 series
	Feature	3D graphics HW acceleration: DX12, Open GL 4.6, Vulkan 1.2 HW Video Decode: 8K60 12b 4:2:0 HEVC/VP9/SCC; 8K30 10b 4:2:0 AV1; 5K60 10b 4:4:4 HEVC/VP9/SCC; 4K60 8b 4:2:0 AVC HW Video Encode: 8K30 or 5K60 8b/10b 4:2:0 HEVC/VP9/SCC; 4K60 10b 4:4:4 HEVC/VP9/SCC; 4K60 8b 4:2:0 AVC	
	Display	1 x HDMI 2.0 1 x DP++ 1.2 1 x USB Type-C (R680E/Q670E)	HDMI: resolution up to 4096x2160 @ 60Hz DP++: resolution up to 4096x2304 @ 60Hz USB Type C: resolution up to 4096x2304 @ 60Hz (R680E/Q670E)
STORAGE	Internal	1 x 2.5" SATA 3.0 1TB SSD 1 x M.2 2280 M Key (PCIe x4/SATA)	
EXPANSION	Interface	1 x PCIe x16 (Gen 5) (Max. 75W) 1 x M.2 2230 E Key 1 x M.2 2242/3042/3052 B Key 1 x M.2 2280 M Key	
AUDIO	Audio Codec	Realtek ALC888	

SPECIFICATION

ETHERNET	Controller	R680E/Q670E	H610E
		1 x Intel® I226-LM (Core i9/i7/i5 support iAMT) 1 x Intel® I226-V	2 x Intel® I226-V
LED	Indicators	1 x Power LED	
I/O	Ethernet	2 x 2.5GbE (RJ-45)	
	Display	1 x HDMI 2.0 1 x DP++ 1.2 1 x USB Type-C	
	USB	R680E/Q670E	H610E
		5 x USB 3.2 Gen2 Type A 1 x USB 3.2 Gen2 USB Type C	2 x USB 3.2 Gen2 1 x USB 3.2 Gen1 2 x USB 2.0
Buttons	1 x Power button		
WATCHDOG TIMER	Output & Interval	System Reset, Programmable via Software from 1 to 255 Seconds	
SECURITY	TPM	Nuvoton TPM 2.0	
POWER	Type	DC Jack or 4-Pin terminal block with Wide Range 12~28V	
	Connector	DC-in Jack/Terminal Block(Opt.)	
	Consumption	TBD	
	Supply	CR2032 Coin Cell	
COOLING	Fan	1 x 8cm System Fan, with replaceable air filter	
OS SUPPORT	Microsofts	Windows 10 IoT Enterprise 2019	
ENVIRONMENT	Operating Temperature	-5° to 50° C	
	Storage Temperature	-40 to 85°C	
	Relative Humidity	5 to 95% RH (non-condensing)	
MECHANICAL	Construction	Sheet Metal	
	Mounting	Wall mount	
	Dimensions (W x H x D)	200 x 145.8 x 210.6 mm	
	Weight	TBD	
	Color	Black	
STANDARDS AND CERTIFICATIONS	Shock	Operating: 3G Non-operating: 5G	
		Operating: 1G Non-operating: 3G	
	Package Drop	ISTA Project 1A	
	Certification	TBD	

ORDERING INFORMATION

Model Name	Part Number	Description
WM130-RPS	750-WM13000-000G	WM130-RPS: m-ITX System, RPS103-R680E, 1 DP, 1 HDMI, 2 x2.5 GbE, 5 USB 3.2, 1 USB-C, 1 PCIe16, dTPM,12~28V DC-IN, F/G SYSTEM RoHS
WM130-RPS	750-WM13000-100G	WM130-RPS: m-ITX System, RPS103-H610E, 1 DP, 1 HDMI, 2 x2.5 GbE, 3 USB 3.2, 2 USB 2.0, 1 PCIe16, dTPM,12~28V DC-IN, F/G SYSTEM RoHS