

WM343-RPS

Q670E
H610E

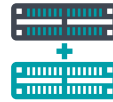
14th/13th/12th Gen Intel® Core™
Wallmount Box IPC

KEY FEATURES



Upgraded CPU

Powered by 14th/13th/12th Gen Intel® Core™



Multiple Expansion

Support 1 PCIe Gen5 x16, 1 PCIe x4, 2 PCI,
2 M.2 M Key, 1 M.2 E Key



DDR5 support

4 DDR5 UDIMM up to 192GB



Rich I/O

1 Intel 2.5GbE, 1 Intel 1GbE, 1 COM,
4 USB 3.2, 2 USB 2.0, 1 PS/2,
1 Line-out, 1 Mic-in



4K & Triple Displays support

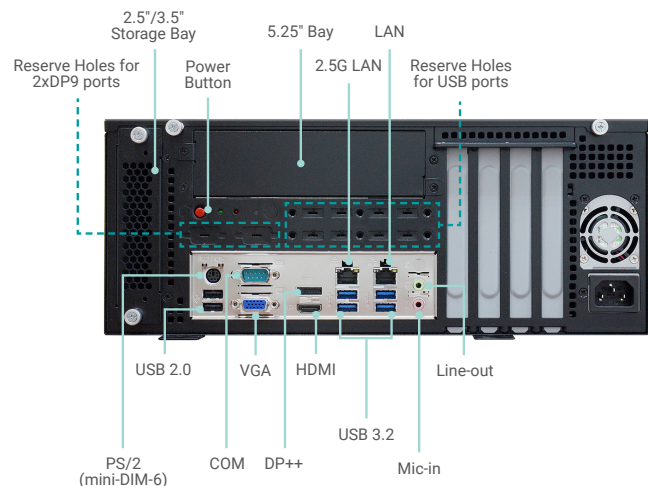
VGA, DP++, HDMI



PANEL

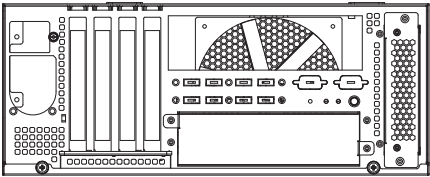


Front View

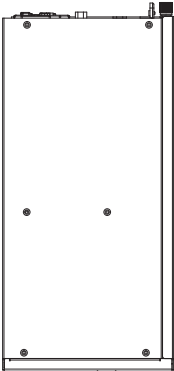


Rear View

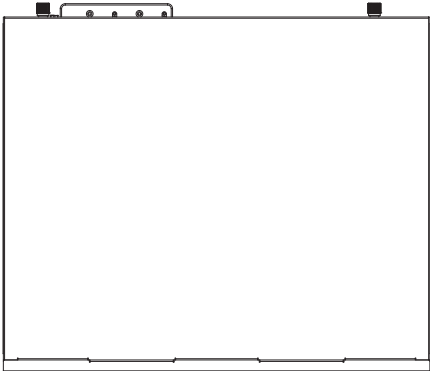
DIMENSIONS



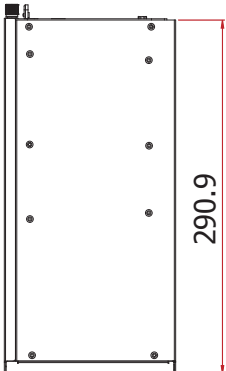
Rear View



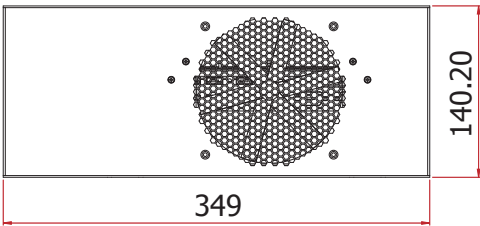
Left View



Top View

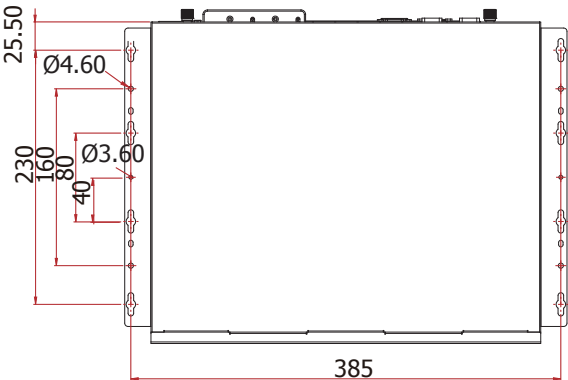
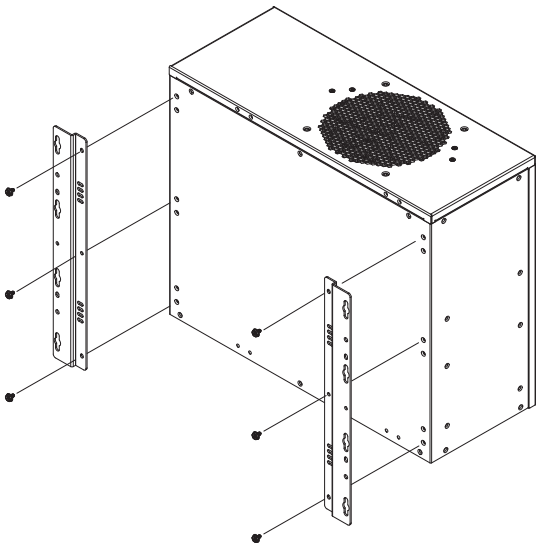


Right View



Front View

WALL MOUNTING



SPECIFICATION

Model Name		WM343-RPS (Q670E)	WM343-RPS (H610E)
SYSTEM	Processor	14th Generation Intel® LGA 1700 Socket Processors, Intel® Core™ i9-14901E (8 Cores, 36M Cache, up to 5.6 GHz); 65W Intel® Core™ i5-14401E (6 Cores, 24M Cache, up to 4.7 GHz); 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 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® Core™ 300 (2 Cores, 6M Cache, up to 3.9 GHz); 46W Intel® Core™ 300T (2 Cores, 6M Cache, up to 3.4 GHz); 35W 13th Generation Intel® LGA 1700 Socket Processors, 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™ 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™ i7-13700T (16 Cores, 30M Cache, up to 4.9 GHz); 65W 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™ i5-13500T (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™ 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™ i3-13100T (4 Cores, 12M Cache, up to 4.2 GHz); 35W 12th Generation Intel® LGA 1700 Socket Processors, 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™ i7-12700E (12 Cores, 25M Cache, up to 4.8 GHz); 65W Intel® Core™ i7-12700TE (12 Cores, 25M Cache, up to 4.6 GHz); 35W 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™ 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® Pentium® G7400E (2 Cores, 6M Cache, 3.6 GHz); 46W Intel® Pentium® G7400TE (2 Cores, 6M Cache, 3.0 GHz); 35W Intel® Celeron® G6900E (2 Cores, 4M Cache, 3.0 GHz); 46W Intel® Celeron® G6900TE (2 Cores, 4M Cache, 2.4 GHz); 35W *i9-12900E/ i9-12900TE: 5-Year CPU Lifecycle Support Until Q1' 27 *Other CPUs: 10-Year CPU Lifecycle Support Until Q1' 32	
	Chipset	Intel® Q670E Chipset	Intel® H610E Chipset
	Memory	Four 288-pin UDIMM up to 192GB (Non-ECC) Dual Channel DDR5 up to 4400 MHz *Speed support list follow User's Manual	Four 288-pin UDIMM up to 192GB (Non-ECC) Dual Channel DDR5 up to 4400 MHz *Speed support list follow User's Manual
	BIOS	AMI SPI 256Mbit	AMI SPI 256Mbit
GRAPHICS	Controller	Intel® UHD Graphics 700 series	Intel® UHD Graphics 700 series
	Feature	OpenGL 4.5, DirectX 12, OpenCL 2.1 HW Decode: AVC/H.264, MPEG2, VC1/WMV9, JPEG/MJPEG, HEVC/H265, VP8, VP9 HW Decode: MPEG2, AVC/H264, JPEG, HEVC/H265, VP8, VP9	OpenGL 4.5, DirectX 12, OpenCL 2.1 HW Decode: AVC/H.264, MPEG2, VC1/WMV9, JPEG/MJPEG, HEVC/H265, VP8, VP9 HW Decode: MPEG2, AVC/H264, JPEG, HEVC/H265, VP8, VP9
	Display	1 x VGA 1 x DP++ 1 x HDMI 2.0a VGA: resolution up to 1920x1200 @ 60Hz DP++: resolution up to 4096x2304 @ 60Hz HDMI: resolution up to 4096x2160 @ 24Hz	1 x VGA 1 x DP++ 1 x HDMI 2.0a VGA: resolution up to 1920x1200 @ 60Hz DP++: resolution up to 4096x2304 @ 60Hz HDMI: resolution up to 4096x2160 @ 24Hz
	Triple Displays	VGA, DP++, HDMI	VGA, DP++, HDMI
STORAGE	External	1 or 2 x 3.5"/2.5" SATA 3.0 drive bays (1 x 3.5" SATA drive bay, by default) 1 x 5.25" Optical drive bay	1 or 2 x 3.5"/2.5" SATA 3.0 drive bays (1 x 3.5" SATA drive bay, by default) 1 x 5.25" Optical drive bay
	Internal	1 x M.2 2242/2260/2280 M key (PCIe x2 NVMe/SATA/Intel RST support) 1 x M.2 2242/2260/2280 M key (PCIe x4 NVMe/Intel RST support) (co-lay PCIe x4 slot, function selected by BIOS.) 1 x M.2 2230 E key (PCIe/USB 2.0/Intel CNVi support) (Discrete Wifi 6E support)	1 x M.2 2242/2260/2280 M key (PCIe x2 NVMe/SATA/Intel RST support) 1 x M.2 2242/2260/2280 M key (PCIe x4 NVMe/Intel RST support) (co-lay PCIe x4 slot, function selected by BIOS.)

SPECIFICATION

Model Name		WM343-RPS (Q670E)	WM343-RPS (H610E)
EXPANSION	PCIe	1 x PCIe x16 (Gen 5) 1 x PCIe x4 (Gen 3) (co-lay M.2 M-key, function selected by BIOS.) 2 x PCI	1 x PCIe x16 (Gen 5) 1 x PCIe x4 (Gen 3) (co-lay M.2 M-key, function selected by BIOS.) 2 x PCI
	Audio Codec	Realtek ALC888	Realtek ALC888
AUDIO	Interface	1 x Line-out 1 x Mic-in 1 x Line-in (opt., MOQ required)	1 x Line-out 1 x Mic-in 1 x Line-in (opt., MOQ required)
	Controller	1 x Intel® I226-LM (Core i9/i7/i5 support iAMT, co-lay I219-LM) 1 x Intel® I226-V	1 x Intel® I219-V 1 x Intel® I226-V
ETHERNET	Indicators	1 x Power LED 1 x HDD LED	1 x Power LED 1 x HDD LED
LED	Ethernet	2 x 2.5GbE (RJ-45) -Default or 1 x 2.5GbE + 1 x GbE (RJ-45)- opt.	1 x 2.5GbE + 1 x GbE (RJ-45)
	Serial	1 x RS-232/422/485 (RS-232 w/ power) (DB-9)	1 x RS-232/422/485 (RS-232 w/ power) (DB-9)
	USB	4 x USB 3.2 Gen2 2 x USB 2.0	2 x USB 3.2 Gen2 2 x USB 3.2 Gen1 2 x USB 2.0
	PS/2	1 x PS/2 (mini-DIN-6)	1 x PS/2 (mini-DIN-6)
	Display	1 x DP++ 1 x HDMI 2.0a 1 x VGA	1 x DP++ 1 x HDMI 2.0a 1 x VGA
	Audio	1 x Line-out 1 x Mic-in 1 x Line-in (opt., MOQ required)	1 x Line-out 1 x Mic-in 1 x Line-in (opt., MOQ required)
	Buttons	1 x Power button 1 x Reset button	1 x Power button 1 x Reset button
REAR I/O	Fan	1 x 12cm System Fan	1 x 12cm System Fan
COOLING	Output & Interval	System Reset, Programmable via Software from 1 to 255 Seconds	System Reset, Programmable via Software from 1 to 255 Seconds
WATCHDOG TIMER	TPM	Nuvoton TPM 2.0	Nuvoton TPM 2.0
SECURITY	Supply	FlexATX 400W/650W	FlexATX 400W/650W
POWER	Microsoft	Windows 10 IoT Enterprise 64-bit Windows 11 LTSC	Windows 10 IoT Enterprise 64-bit Windows 11 LTSC
	Linux	Linux (by project support)	Linux (by project support)
OS SUPPORT	Operating Temperature	0 to 45°C	0 to 45°C
	Storage Temperature	-20 to 60°C	-20 to 60°C
	Relative Humidity	5 to 95% RH (non-condensing)	5 to 95% RH (non-condensing)
ENVIRONMENT	Construction	Sheet metal	Sheet metal
	Mounting	Wall mount	Wall mount
	Dimensions (W x H x D)	349mm x 140.2mm x 290.9mm (13.74" x 5.52" x 11.45")	349mm x 140.2mm x 290.9mm (13.74" x 5.52" x 11.45")
	Weight	TBD	TBD
	Color	no coating or black coating	no coating or black coating
MECHANISM	Shock	Operating: 3G Non-operating: 5G	Operating: 3G Non-operating: 5G
	Vibration	Operating: Random 5~500Hz 0.5G Non-operating: Sine 10~500Hz 1.5G	Operating: Random 5~500Hz 0.5G Non-operating: Sine 10~500Hz 1.5G
	Package Drop	ISTA Project 1A	ISTA Project 1A
	Certification	CE, FCC Class A, RoHS, UKCA	CE, FCC Class A, RoHS, UKCA
STANDARDS AND CERTIFICATIONS			

ORDERING INFORMATION

Model Name	Part Number	Description	Specification								
			Display	USB	LAN	Audio	COM	PS/2	M.2	PCIe slot	Power supply
WM343-RPS	750-WM343E-000G	WM343-RPS330: Mirco-ATX System, RPS330-Q670E	1 VGA 1 DP++ 1 HDMI 2.0a	4 USB 3.2 2 USB2.0	2 2.5GbE	1 Line-out 1 Mic-in	1 RS-232/ 422/485	1	2 M.2 M-key 1 M.2 E-Key	1 x PCIe x16 (Gen 5) *1 x PCIe x4 (Gen 3) 2 x PCI	400W
	750-WM343E-100G										650W

*co-lay M.2 M-key, function selected by BIOS.

OPTIONAL ITEMS

Optional Items	Part Number	Description
Wall Mount	761-WM3410-000G	ACCESSORY WALL MOUNT KITS WM34x Series RoHS

PACKING LIST

• 1 WM343-RPS System Unit
• 1 CPU cooler 65W
• 1 System Fan
• 1 SATA III cable
• STANDOFF M3*6mm: fix 2.5" SSD
• SCREW F3 * 5L: fix 2.5" SSD
• SCREW #6-32 5mm: fix 3.5" HDD
• SCREW M2x4: M.2 Module