

# WM343-CS350 C246 Q370

8th/9th Gen Intel® Core™  
Desktop Box IPC

## KEY FEATURES



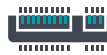
### Upgraded CPU

Powered by 8th/9th Gen Intel® Core™



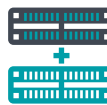
### Triple Independent Display

HDMI + DVI-D + DP++



### 4 Expansion Slots

3.5"/2.5" SATA + 5.25" optical drive bay



### Multiple Expansion

Support 2 PCIe x16, 2 PCIe x4, 1 M.2 M key, 1 M.2 E key

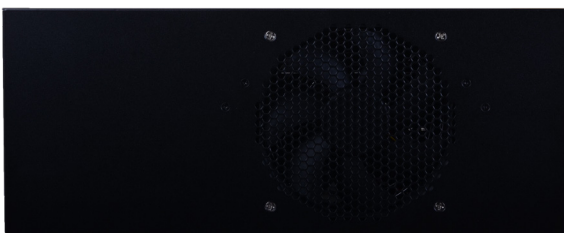


### 15 Years Long Term Support

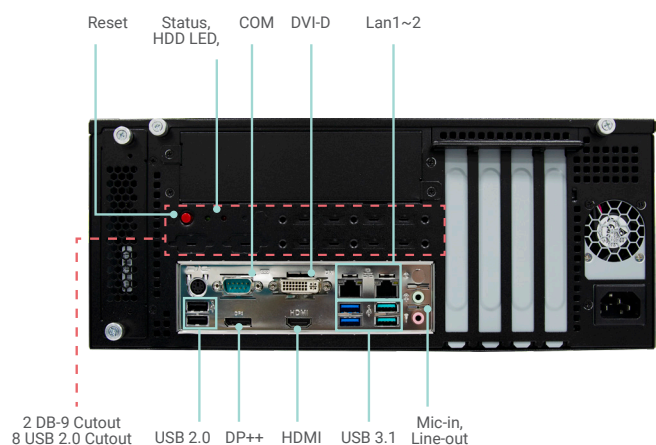
15-Year CPU Life Cycle Support Until Q3' 33



## PANEL

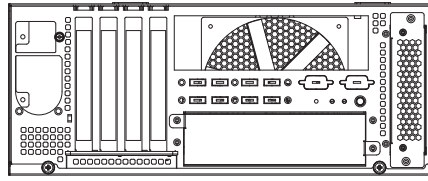


Front View

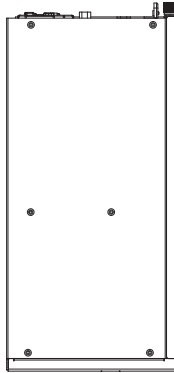


Rear View

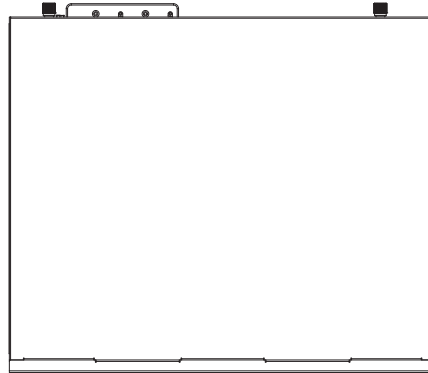
## DIMENSIONS



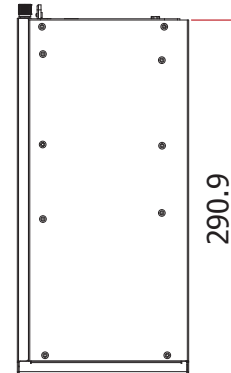
Rear View



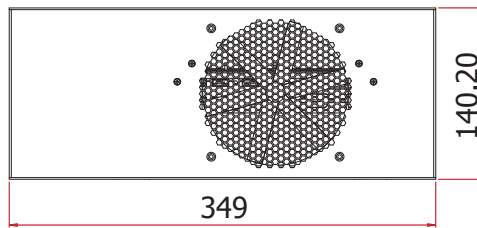
Left View



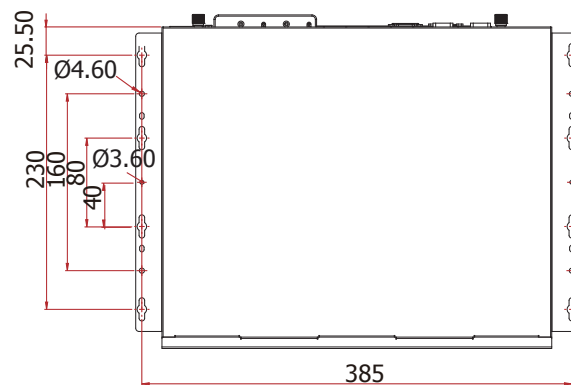
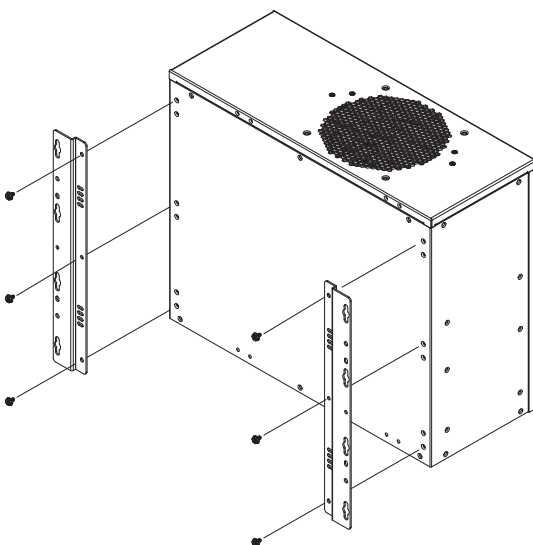
Front View



Right View



## WALL MOUNTING



## SPECIFICATION

SYSTEM	<b>Processor</b>	8th Generation Intel® Core™ /Pentium®/Celeron® LGA 1151 Socket Processors: Intel® Xeon® E-2176G (6 Cores, 12M Cache, up to 4.7 GHz); 80W (C246 only) Intel® Xeon® E-2124G (4 Cores, 8M Cache, up to 4.5 GHz); 71W (C246 only) Intel® Core™ i7-8700K (6 Cores, 12M Cache, up to 4.7 GHz); 95W Intel® Core™ i7-8700 (6 Cores, 12M Cache, up to 4.6 GHz); 65W Intel® Core™ i7-8700T (6 Cores, 12M Cache, up to 4.0 GHz); 35W Intel® Core™ i5-8500 (6 Cores, 9M Cache, up to 4.1 GHz); 65W Intel® Core™ i5-8500T (6 Cores, 9M Cache, up to 3.5 GHz); 35W Intel® Core™ i3-8100 (4 Cores, 6M Cache, 3.6 GHz); 65W Intel® Core™ i3-8100T (4 Cores, 6M Cache, to 3.1 GHz); 35W Intel® Pentium® G5400 (2 Cores, 4M Cache, 3.7 GHz); 58W Intel® Pentium® G5400T (2 Cores, 4M Cache, 3.1 GHz); 35W Intel® Celeron® G4900 (2 Cores, 2M Cache, 3.1 GHz); 54W Intel® Celeron® G4900T (2 Cores, 2M Cache, 2.9 GHz); 35W 9th Generation Intel® Core™ LGA 1151 Socket Processors: Intel® Xeon® E-2278GE (8 Cores, 16M Cache, up to 4.7 GHz); 80W (C246 only) Intel® Xeon® E-2278GEL (8 Cores, 16M Cache, up to 3.9 GHz); 35W (C246 only) Intel® Xeon® E-2226GE (6 Cores, 12M Cache, up to 4.6 GHz); 80W (C246 only) Intel® Core™ i9-9900K (8 Cores, 16M Cache, up to 5.0 GHz); 95W (Non-LTS) Intel® Core™ i7-9700TE (8 Cores, 12M Cache, up to 3.8 GHz); 35W Intel® Core™ i5-9500E (6 Cores, 9M Cache, up to 4.2 GHz); 65W Intel® Core™ i5-9500TE (6 Cores, 9M Cache, up to 3.6 GHz); 35W Intel® Core™ i3-9100E (4 Cores, 6M Cache, 3.7 GHz); 65W Intel® Core™ i3-9100TE (4 Cores, 6M Cache, to 3.2 GHz); 35W	
	<b>Chipset</b>	Intel® Q370/C246 Chipset	
	<b>Memory</b>	Q370: Four 288-pin DIMM up to 128GB Dual Channel DDR4 2400/2666 MHz C246: Two 288-pin DIMM up to 64GB Dual Channel DDR4 2400/2666 MHz	
	<b>BIOS</b>	AMI SPI 128Mbit	
	GRAPHICS	<b>Controller</b>	Intel® HD Gen 9 Graphics
<b>Feature</b>		OpenGL 5.0, DirectX 12, OpenCL 2.1 HW Decode: AVC/H.264, MPEG2, VC1/WMV9, JPEG/MJPEG, HEVC/H265, VP8, VP9 HW Encode: MPEG2, AVC/H264, JPEG, HEVC/H265, VP8, VP9	
<b>Display</b>		1 x DP++ 1 x HDMI 1.4b 1 x DVI-I (DVI-D signal)	DP++: resolution up to 4096x2106@60Hz HDMI 1.4b: resolution up to 4096x2160@24Hz DVI-I (DVI-D signal): resolution up to 1920x1200@60Hz
<b>Triple Displays</b>		DVI-D & DP++ & HDMI 1.4b	
STORAGE	<b>External</b>	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	
	<b>Internal</b>	1 x M.2 2280 (PCIe x4/SATA)	
	<b>Interface</b>	2 x PCIe x16 (Gen 3) (1 x16 signals or 2 x8 signals) 2 x PCIe x4 (Gen 3) 1 x M.2 2230 E key (PCIe x1/USB2.0/intel CNVi support) 1 x M.2 2242/2260/2280 M key (PCIe Gen3 x 4 NVMe)	
AUDIO	<b>Audio Codec</b>	Realtek ALC888	
	<b>Interface</b>	1 x Line-out 1 x Mic-in 1 x Line-in (opt.)	
ETHERNET	<b>Controller</b>	1 x Intel® i219LM PCIe (10/100/1000Mbps) with iAMT 12.0 (Only Xeon, Core i7/i5 support iAMT) 1 x Intel® i211AT PCIe (10/100/1000Mbps)	
LED	<b>Indicators</b>	1 x Power LED 1 x HDD LED	
REAR I/O	<b>Ethernet</b>	2 x GbE (RJ-45)	
	<b>Serial</b>	1 x RS-232/422/485 (RS-232 w/ power) (DB-9)	
	<b>USB</b>	2 x USB 3.1 Gen 2 2 x USB 3.1 Gen 1 2 x USB 2.0	
	<b>Display</b>	1 x HDMI 1 x DVI-I (DVI-D signal) 1 x DP++	
	<b>Audio</b>	1 x Line-out 1 x Mic-in 1 x Line-in (opt.)	
	<b>PS/2</b>	1 x PS/2 (mini-DIN-6)	
	<b>Buttons</b>	1 x Power button 1 x Reset button	
	<b>Cutout</b>	2 x DB-9 Cutout 8 x USB 2.0 Cutout	

## SPECIFICATION

<b>WATCHDOG TIMER</b>	<b>Output &amp; Interval</b>	System Reset, Programmable via Software from 1 to 255 Seconds
<b>SECURITY</b>	<b>TPM</b>	Infineon TPM1.2/2.0 (optional)
<b>POWER</b>	<b>Supply</b>	Flex ATX 150W/250W/350W/400W/500W (250W Default)
<b>COOLING</b>	<b>Fan</b>	1 x 12cm system fan
<b>OS SUPPORT</b>	<b>Microsoft</b>	Windows 10
	<b>Linux</b>	Linux
<b>ENVIRONMENT</b>	<b>Operating Temperature</b>	0 to 45°C
	<b>Storage Temperature</b>	0 to 60°C
	<b>Relative Humidity</b>	5 to 95% RH (non-condensing)
<b>MECHANICAL</b>	<b>Construction</b>	Sheet Metal
	<b>Mounting</b>	Wall mount
	<b>Dimensions(W x H x D)</b>	349 x 140.2 x 290.9mm (13.74" x 5.52" x 11.45")
	<b>Weight</b>	7.7kg
	<b>Color</b>	no coating or black coating
<b>STANDARDS AND CERTIFICATIONS</b>	<b>Shock</b>	Operating: 3G Non-operating: 5G
	<b>Vibration</b>	Operating: Random 5~500Hz 0.5G Non-operating: Sine 10~500Hz 1.5G
	<b>Package Drop</b>	ISTA Project 1A
	<b>Certification</b>	CE, FCC Class A, RoHS

## ORDERING INFORMATION

Model Name	Part Number	Description
WM343-CS350	750-WM3438-000G	WM343-CS, uATX System, Black, CS350-C246, 250W, F/G SYSTEM RoHS
WM343-CS350	750-WM3438-100G	WM343-CS, uATX System, Black, CS350-Q370, 250W, F/G SYSTEM RoHS

## OPTIONAL ITEMS

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

## PACKING LIST

1 WM343-CS350 System Unit
1 CPU cooler
1 SATA Data Cable (Length: 650mm)
4 HDD Screws
1 Quick Installation Guide
1 PSU Flex ATX 150W/250W/350W/400W/500W (250W Default)
1 System Fan