

# WM343-CS332 C246 Q370

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

## KEY FEATURES



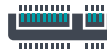
### Upgraded CPU

Powered by 8th/9th Gen Intel® Core™



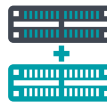
### Triple Independent Display

VGA + 2 DP++



### 4 Expansion Slots

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



### Multiple Expansion

Support 1 PCIe x16, 2 PCIe x4, 1 PCI, 1 M.2 2280, 1 M.2 2230



### 15 Years Long Term Support

15-Year CPU Life Cycle Support Until Q3' 33



## PANEL

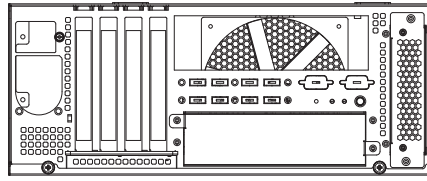


Front View

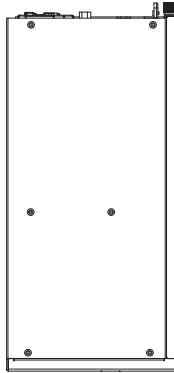


Rear View

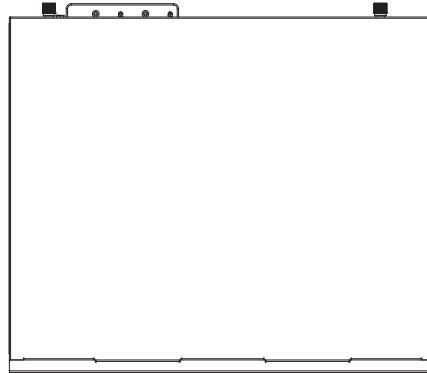
## DIMENSIONS



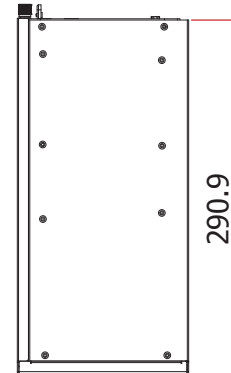
Rear View



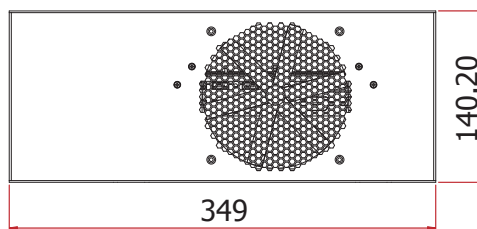
Left View



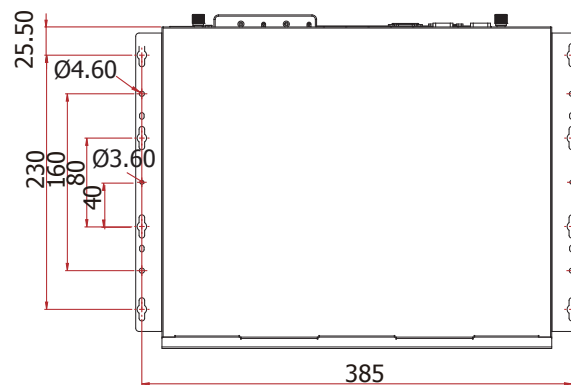
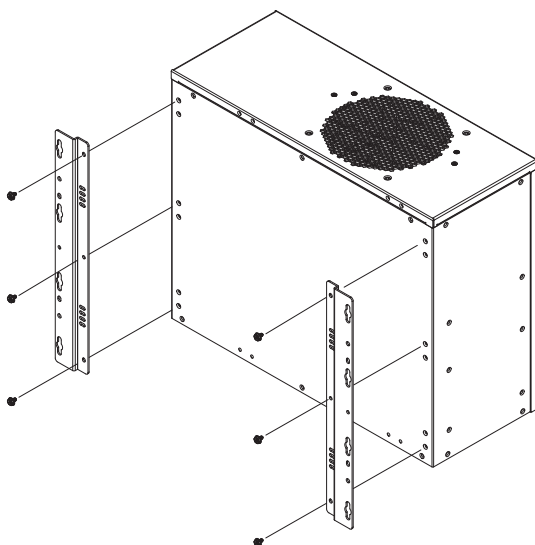
Front View



Right View



## WALL MOUNTING



## SPECIFICATION

SYSTEM	<b>Processor</b>	<p>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</p> <p>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</p>	
	<b>Chipset</b>	Intel® Q370/C246 Chipset	
	<b>Memory</b>	<p>Q370:            Four 288-pin DIMM up to 128GB            Dual Channel DDR4 2400/2666 MHz</p> <p>C246:            Two 288-pin DIMM up to 64GB            Dual Channel DDR4 2400/2666 MHz</p>	
	<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 VGA 2 x DP++	VGA: resolution up to 1920x1200@60Hz DP++: resolution up to 4096x2106@60Hz
<b>Triple Displays</b>		VGA & 2 x DP++	
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>	1 x PCIe x16 (Gen 3) 2 x PCIe x4 (Gen 3) 1 x PCI 1 x M.2 2242/2280 M key (PCIe Gen3 x 4 NVMe/Intel Optane Memory Support) 1 x M.2 2230 E key (PCIe x1/USB2.0)	
AUDIO	<b>Audio Codec</b>	Realtek ALC262-VC2	
	<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) (only Xeon, Core i7/i5 support iAMT) 1 x Intel® i211AT PCIe (10/100/1000Mbps) 2 x Intel® i211AT PCIe (10/100/1000Mbps) (opt. by request, MOQ required)	
LED	<b>Indicators</b>	1 x Power LED 1 x HDD LED	
REAR I/O	<b>Ethernet</b>	2 x GbE (RJ-45) or 4 x GbE (RJ-45) (based on different configuration)	
	<b>Serial</b>	1 x RS-232/422/485 (RS-232 w/ power) (DB-9)	
	<b>USB</b>	4 x USB 3.1 Gen 1 2 x USB 2.0	
	<b>Display</b>	1 x VGA 2 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	
WATCHDOG TIMER	<b>Output &amp; Interval</b>	System Reset, Programmable via Software from 1 to 255 Seconds	
SECURITY	<b>TPM</b>	Infineon TPM1.2/2.0 (optional)	

## SPECIFICATION

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

## ORDERING INFORMATION

Model Name	Part Number	Description
WM343-CS332	750-WM3437-000G	WM343-CS, uATX System, Black, CS332-C246, 250W, F/G SYSTEM RoHS
WM343-CS332	750-WM3437-100G	WM343-CS, uATX System, Black, CS332-Q370, 250W, F/G SYSTEM RoHS

## OPTIONAL ITEMS

Optional Items	Part Number	Description
CPU	TBD	CPU Intel Core i7/i5/i3/Pentium/Celeron CPU
Memory	TBD	4GB to 32GB, DDR4 U-DIMM RAM
M.2 SSD	TBD	32GB to 2TB, SATA/PCIe x4 M.2 SSD
2.5" SSD	TBD	32GB to 1TB, SATA MLC/TLC 2.5" SSD
2.5" HDD	TBD	500GB to 2TB, SATA 2.5" HDD
3.5" HDD	TBD	500GB to 16TB, SATA 3.5" HDD
Wireless Kit	TBD	M.2 2230 WiFi5 or WiFi6, antenna kit.
Power Cord	785-PWRD	Power Cord, Standards (USA/EUR/CH), 1.8m, RoHS for test only
Power Supply	TBD	AC/ATX FLEX 150W/250W/350W/400W/500W
Wall Mount	761-WM3410-000G	ACCESSORY WALL MOUNT KITS WM34x Series RoHS

## PACKING LIST

1 WM343-CS332 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