

DT200-CS

Q370
H310

8th/9th Gen Intel® Core™
AI-Enabled Embedded System



KEY FEATURES



Multiple Displays

4 DP (from MXM), 1 DP++/HDMI (auto-detection)



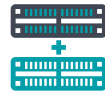
Low Profile Design

Dimensions(W x H x D): 320 x 220 x 87mm (2U)



AI Accelerated

Up to 110W GPU MXM module supported



Scalability

3 M.2 expansion slots

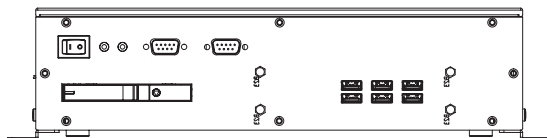


Support 5G Communication

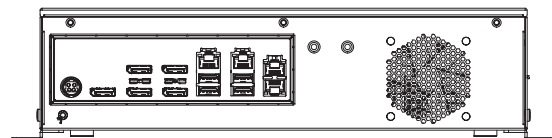
Support M.2 B key 3052 5G cellular module



PANEL

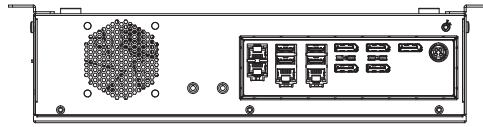


Front View

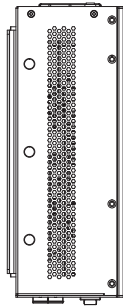


Rear View

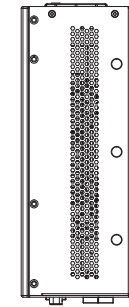
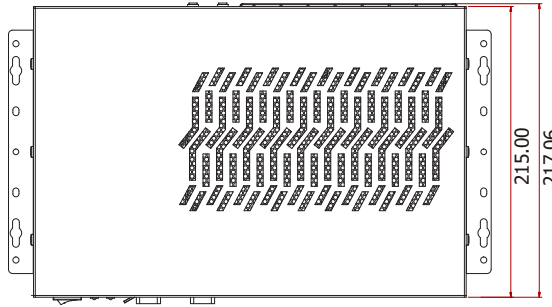
DIMENSIONS



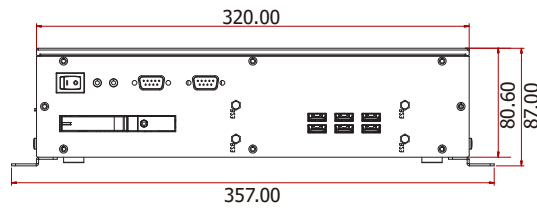
Front View



Left View

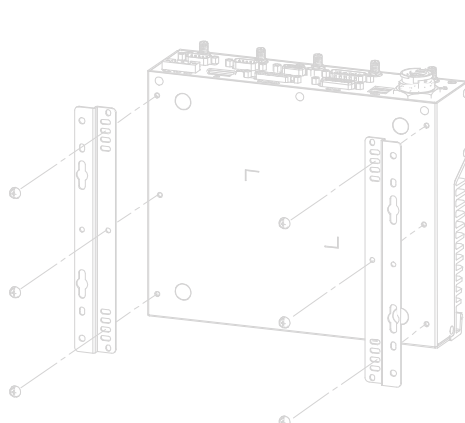


Right View

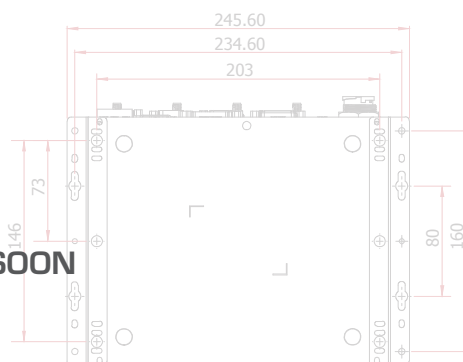


Rear View

WALL MOUNTING



COMING SOON



SPECIFICATION

SYSTEM	Processor	Intel® Core i7-9700E Processor (Core 8; Max speed 4.4 GHz; TDP 65W) Intel® Core i7-9700TE Processor (Core 8; Max speed 3.8 GHz; TDP 35W) Intel® Core i5-9500E Processor (Core 6; Max speed 4.2 GHz; TDP 65W) Intel® Core i5-9500TE Processor (Core 6; Max speed 3.6 GHz; TDP 35W) Intel® Core i3-9100E Processor (Core 4; Max speed 3.7 GHz; TDP 65W) Intel® Core i3-9100TE Processor (Core 4; Max speed 3.2 GHz; TDP 35W) 8th Generation Intel® Core™ Processors, LGA 1151 Socket, TDP up to 65W Intel® Core™ i7-8700 Processor (Core 6; Max speed 4.6 GHz; TDP 65W) Intel® Core™ i7-8700T Processor (Core 6; Max speed 4.0 GHz; TDP 35W) Intel® Core™ i5-8500 Processor (Core 6; Max speed 4.1 GHz; TDP 65W) Intel® Core™ i5-8500T Processor (Core 6; Max speed 3.5 GHz; TDP 35W) Intel® Core™ i3-8100 Processor (Core 4; Max speed 3.6 GHz; TDP 65W) Intel® Core™ i3-8100T Processor (Core 4; Max speed 3.1 GHz; TDP 35W) Intel® Pentium® G5400 Processor (Core 2; Max speed 3.7 GHz; TDP 58W) Intel® Celeron® G4900 Processor (Core 2; Max speed 3.1 GHz; TDP 54W)
	Chipset	Intel® H310/Q370 Chipset
	Memory	DDR4 2400/2666MHz up to 64GB
	BIOS	AMI SPI 128Mbit (supports UEFI/Legacy mode)
GRAPHICS	Controller	Intel® UHD Graphics 630 (Pentium® G5400 and Celeron® G4900 support Intel® UHD Graphics 610)
	Feature	OpenGL 4.5, DirectX 12, OpenCL 2.1 HW Decode: AVC/H.264, MPEG2, VC1/WMV9, JPEG/MJPEG, HEVC/H265, VP8, VP9 HW Encode: AVC/H.264, MPEG2, JPEG, HEVC/H265, VP8, VP9
	Display	4 x DP (from MXM) 1 x DP++/HDMI (auto-detection) DP: resolution up to 4096x2304@60Hz HDMI: resolution up to 4096x2160@30Hz
AI ACCELERATOR	Interface	1 x MXM 3.1 slot, Type-A/B up to 110W
STORAGE	Internal	1 x M.2 M key supports 2242/2280 slot (PCIe Gen3 x4/SATA)
	External	1 x SATA III connector with 1 x 2.5" SSD tray (if selecting I.O expansion with 6 USB 2.0, there is only 1 x SSD tray)
EXPANSION	Interface	1 x M.2 M key supports 2242/2280 slot (PCIe Gen3 x4/SATA) 1 x M.2 B key supports 3052 slot (PCIe x1/USB3.1 Gen1) 1 x M.2 E key supports 2230 slot (PCIe x1/USB2.0)
AUDIO	Audio Codec	5.1 CH Audio Codec:Realtek ALC888S-VD2-GR
ETHERNET	Controller	1 x Intel® I219LM/ I219V 3 x Intel® I211AT
LED	Indicators	1 x PWD LED 1 x HDD LED
FRONT I/O	Serial	2 x RS232
	USB	6 x USB2.0
	Buttons	1 x Power button
	Audio	1 x Line-out 1 x Mic-in
REAR I/O	Ethernet	4 x GbE
	USB	4 x USB 3.1 Gen2
	Display	1 x DP++/HDMI (auto-detection) 4 x DP (from MXM)
	Antenna Holes	4 x SMA for 5G module 2 x SMA for WiFi module
COOLING	Fan	Active fan: 65W CPU cooler + 110W GPU
WATCHDOG TIMER	Output & Interval	Watchdog timeout programmable via software from 1 to 255 seconds
SECURITY	TPM	dTPM2.0 (default)
POWER	Type	19V DC-in (mini-DIN)
OS SUPPORT	Microsoft	Windows 10 IoT Enterprise 64-bit
	Linux	Linux
ENVIRONMENT	Operating Temperature	-20 to 55°C
	Storage Temperature	0 to 86°C
	Relative Humidity	5 to 95% RH (non-condensing)uminum extrusion + Metal
MECHANICAL	Construction	Aluminum + SGCC
	Mounting	Wall mount (mounting brackets and screws)
	Dimensions (W x H x D)	320 x 220 x 87mm (not include wall mount bracket)
	Weight	TBD
STANDARDS AND CERTIFICATIONS	Certifications	CE, FCC Class A, RoHS

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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