

# MIC-7420

## Rackmount Fanless System with Intel® 6<sup>th</sup> Gen Core™ i Processor



### Features

- Intel® 6<sup>th</sup> Gen Core™ i7/i3 (BGA type) processor with Intel® QM170 chipset
- Wide operating temperature (-20 ~ 60 °C)
- 8GB onboard DDR4 memory + 1x socket for expansion. Max. 24GB in total.
- 2 x DVI ports (supports triple display)
- 2 x GigaLAN, 2 x USB 3.0. 6 x USB 2.0
- 2 x PCIe x4, 2 x PCI expansion slots
- 2 x 2.5" SSD, 1 x M.2 Supports RAID 0/1
- 100 ~ 240V<sub>AC</sub> input power

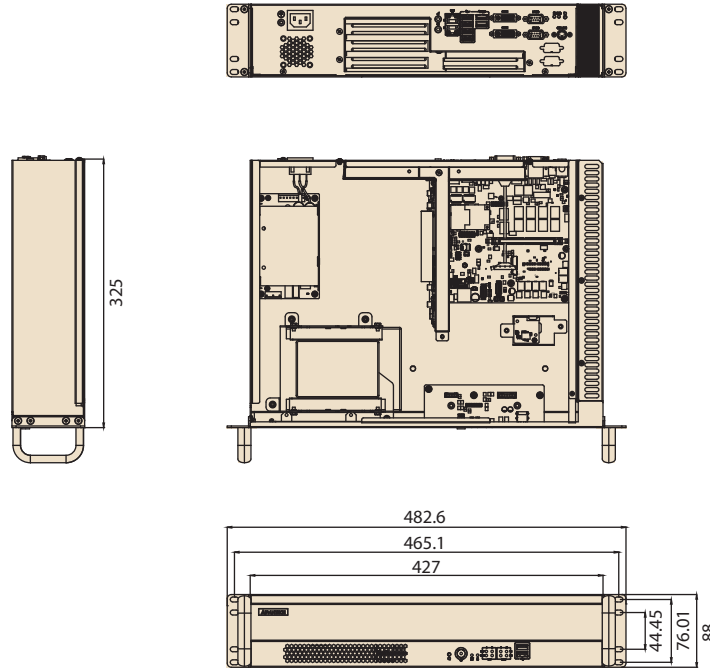
CE FCC

### Specifications

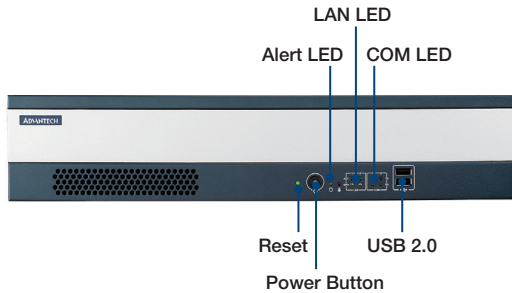
Processor	CPU	Intel® Core™ i7-6822EQ	Intel® Core™ i3-6100E
	Core Numbers	4	2
	Base Frequency	2.0 GHz	2.7 GHz
	Max Turbo Frequency	2.8 GHz	
	Cache	8 MB	3 MB
	Chipset	Intel® QM170	
Memory	BIOS	AMI SPI 128Mb	
	Onboard	8 GB of DDR4, 2133 MHz (without ECC)	
	Socket	1 x 260-pin DDR4 SODIMM socket, up to 16 GB	
Display	Maximum Capacity	24GB	
	Chipset	Intel® HD Graphics 530, supports DirectX 12	
	DVI	1 x DVI-I, 1 x DVI-D, up to 1920x1080 maximum resolution @ 60MHz	
Ethernet	Multiple Display	Support 3x independent displays (3rd DVI or VGA via expansion cable from DVI-I port)	
	Controller	LAN 1: Intel® i219-LM; LAN 2: Intel® i210IT	
Storage	Connector	2 x RJ45	
	SSD	2 x 2.5" SSD	
I/O Interface	M.2	1 x M.2 (2260 M-Key, with SATA interface)	
	USB	2 x USB 3.0. 6 x USB 2.0 (2 x on the front, 4 x on the back)	
	Serial	2 x DB9 (RS-232/422/485) with 2.5KV Isolation protection	
	PS/2	1	
	Audio	1 x Speaker-out with 2 x 4W amplifier, 1 x Mic-in	
Expansion Slots	PCIe	2 x PCIe x4	
	PCI	2 x PCI	
	Mini PCIe	1 (PCIe & USB)	
Power Module	Input Range	100 ~ 240V <sub>AC</sub>	
	Connector	1 x 3-pin terminal block (5.08 mm)	
	Wattage (60 °C)	100 W	
Watchdog Timer	Output	System reset	
	Interval	Programmable 1~255 sec/min	
Environment	Storage	Operating (w/o add-on card)	Operating (with add-on card)
	Temperature	SSD	SSD
Physical Characteristics	Dimensions (W x H x D)	-20 ~ 60 °C	-20 ~ 40 °C
		427 x 88 x 325 mm (16.81" x 3.46" x 12.79")	-40 ~ 85 °C
Certification	EMC	CE/FCC Class A	
	Safety	-	

## Dimensions

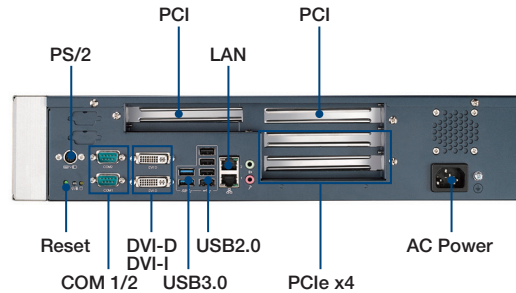
Unit: mm



## Front View



## Rear View



## Packing List

Part Number	Description	Quantity
2001742000	Startup manual En\CN for MIC-7420	1
2061223100	Driver CD	1
1700028559-01	SATA cable 7P	2
1700017929	SATA power cable 4P	1
1700022322-01	SATA power cable 5P	1
1960018229N100	2.5" HDD Framework	4
1961613000S00G	Handle bracket	2
1960000406T00G	Rack Mounting Bracket	2

## Ordering Information

Part Number	Description
MIC-7420-U0A2	i7-6822EQ, 2.0GHz, 8G, QM170, Modular IPC
MIC-7420-19A2	i3-6100E, 2.7GHz, 8G, QM170, Modular IPC

## Optional Accessories

Part Number	Description
1702002600	Power cord (USA) UL/CSA, 3-pin, 10A, 125V, 1.83 M, 180 D
1700022940-01	Power cord PSE, 3-pin, 7A, 125V, 3 m, DAC-ST01
1702002605	Power cord (EU) 2-pin, 10/16A, 220V, 1.83 M, 90 D
98R17420000	4-cm System fan module for MIC-7420