

# MIC-7420

## Rackmount Fanless System with Intel® 6th Gen Core™ i Processor



### Features

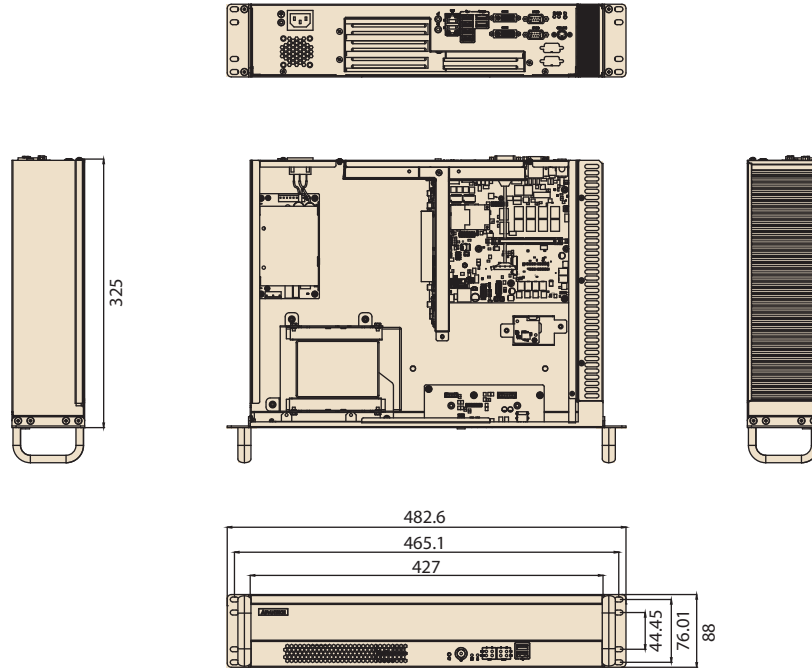
- Intel® 6th Gen Core™ i7/i3 (BGA type) processor with Intel® QM170 chipset
- 8GB onboard DDR4 memory + 1x socket for expansion. Max. 24GB in total.
- 2 x DVI ports (supports triple display)
- 2 x GbE LAN/8 x USB ports
- 2 x PCIe x4/ 2 x PCI expansion slots
- 2x 2.5" SSD and 1 x M.2
- Supports RAID 0/1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

### Specifications

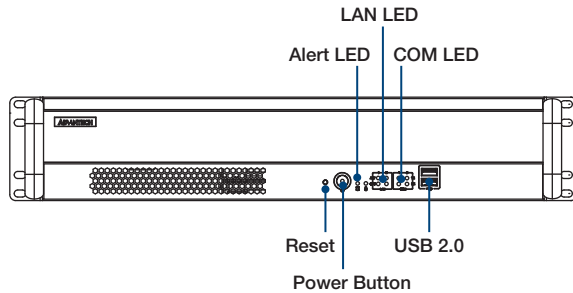
Processor	CPU	Intel® Core™ i7-6822EQ	Intel® Core™ i3-6100E	
	Core Numbers	4	2	
	Base Frequency	2.0 GHz	2.7 GHz	
	Max Turbo Frequency	2.8 GHz		
	Cache	8 MB	3 MB	
	Chipset	Intel® QM170		
Memory	BIOS	AMI SPI 128Mb		
	Onboard	8 GB of DDR4, 2133 MHz (without ECC)		
	Socket	1 x 260-pin DDR4 SODIMM socket, 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		
Expansion Slots	Audio	1 x Speaker-out with 2 x 4W amplifier, 1 x Mic-in		
	PCIe	2 x PCIe x4		
	PCI	2 x PCI		
Power Module	Mini PCIe	1 (PCIe & USB)		
	Input Range	100 ~ 240V <sub>AC</sub>		
	Connector	1 x 3-pin terminal block (5.08 mm)		
Watchdog Timer	Wattage (60 °C)	100 W		
	Output	System reset		
Environment	Interval	Programmable 1~255 sec/min		
	Storage	Operating (w/o add-on card)	Operating (with add-on card)	Non-operating
Physical Characteristics	Temperature	SSD	SSD	-
	Dimensions (W x H x D)	-20 ~ 60 °C	-20 ~ 40 °C	-40 ~ 85 °C
Certification	EMC	427 x 88 x 325 mm (16.81" x 3.46" x 12.79")		
	Safety	CE/FCC Class A, BSMI		

## Dimensions

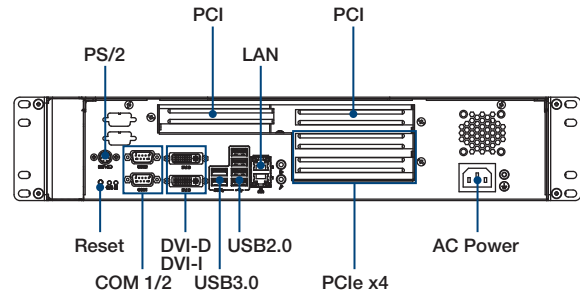
Unit: mm



## 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-U0A1	i7-6822EQ, 2.0GHz, 8G, QM170, Modular IPC
MIC-7420-19A1	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