

# RM641-PR

Powered by DFI PR611-C621 Motherboard

C621



### Features

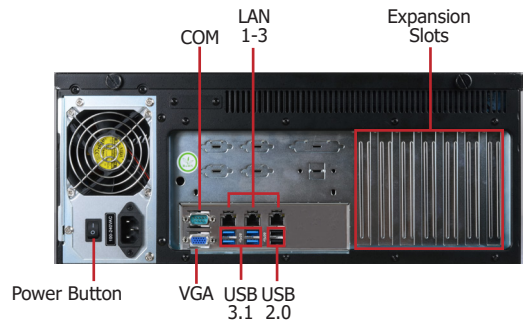
- 4U Rackmount System with 1st/2nd Gen Intel® Xeon® Scalable Family
- Up to 1x 3.5"/2.5" SATA drive bay and 3x optical drive bays
- Front-accessible system fan and USB interfaces
- Expansion supports 3 PCIe x16, 3 PCIe x8 (shared w/ PCIe x16), 2 M.2
- Designed for industrial server application



### Panel

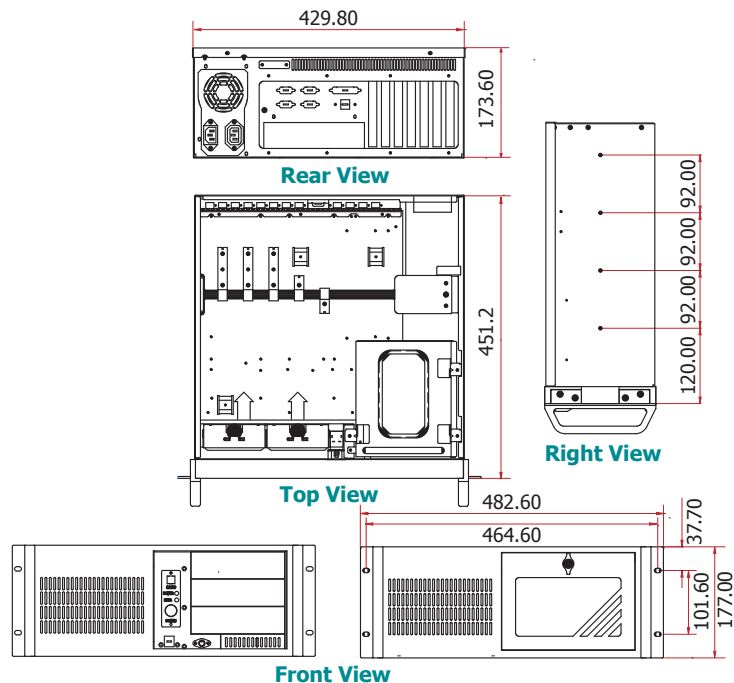


Front View



Rear View

### Dimensions



## ► Specifications

<b>SYSTEM</b>	<b>Processor</b>	1st Generation Intel® Xeon® Scalable Processor Family, LGA 3647 Socket: Intel® Xeon® Platinum 8160T (24 Cores, 27.5M Cache, up to 3.7 GHz); 150W Intel® Xeon® Gold 6138T (20 Cores, 27.5M Cache, up to 3.7 GHz); 125W Intel® Xeon® Gold 6138 (20 Cores, 27.5M Cache, up to 3.7 GHz); 125W Intel® Xeon® Gold 6130T (16 Cores, 22M Cache, up to 3.7 GHz); 125W Intel® Xeon® Gold 6130 (16 Cores, 22M Cache, up to 3.7 GHz); 125W Intel® Xeon® Gold 6126T (12 Cores, 19.25M Cache, up to 3.7 GHz); 125W Intel® Xeon® Gold 6126 (12 Cores, 19.25M Cache, up to 3.7 GHz); 125W Intel® Xeon® Gold 5120T (14 Cores, 19.25M Cache, up to 3.2 GHz); 105W Intel® Xeon® Gold 5119T (14 Cores, 19.25M Cache, up to 3.2 GHz); 85W Intel® Xeon® Gold 5118 (12 Cores, 16.5M Cache, up to 3.2 GHz); 105W Intel® Xeon® Silver 4116T (12 Cores, 16.5M Cache, up to 3.0 GHz); 85W Intel® Xeon® Silver 4116 (12 Cores, 16.5M Cache, up to 3.0 GHz); 85W Intel® Xeon® Silver 4114T (10 Cores, 13.75M Cache, up to 3.0 GHz); 85W Intel® Xeon® Silver 4110 (8 Cores, 11M Cache, up to 3.0 GHz); 85W Intel® Xeon® Silver 4109T (8 Cores, 11M Cache, up to 3.0 GHz); 70W Intel® Xeon® Bronze 3106 (8 Cores, 11M Cache, 1.7 GHz); 85W 2nd Generation Intel® Xeon® Scalable Processor Family, LGA 3647 Socket: Intel® Xeon® Gold 6252N (24 Cores, 35.75M Cache, up to 3.6 GHz); 150W Intel® Xeon® Gold 6238T (22 Cores, 30.25M Cache, up to 3.7 GHz); 125W Intel® Xeon® Gold 6230T (20 Cores, 27.5M Cache, up to 3.9 GHz); 125W Intel® Xeon® Gold 6230N (20 Cores, 27.5M Cache, up to 3.5 GHz); 125W Intel® Xeon® Gold 6230 (20 Cores, 27.5M Cache, up to 3.9 GHz); 125W Intel® Xeon® Gold 6226 (12 Cores, 19.25M Cache, up to 3.7 GHz); 125W Intel® Xeon® Gold 5220T (18 Cores, 24.75M Cache, up to 3.9 GHz); 105W Intel® Xeon® Gold 5218T (16 Cores, 22M Cache, up to 3.8 GHz); 105W Intel® Xeon® Gold 5218N (16 Cores, 22M Cache, up to 3.7 GHz); 110W Intel® Xeon® Gold 5215 (10 Cores, 13.75M Cache, up to 3.4 GHz); 85W Intel® Xeon® Silver 4216 (16 Cores, 22M Cache, up to 3.2 GHz); 100W Intel® Xeon® Silver 4215 (8 Cores, 11M Cache, up to 3.5 GHz); 85W Intel® Xeon® Silver 4214 (12 Cores, 16.5M Cache, up to 3.2 GHz); 85W Intel® Xeon® Silver 4210 (10 Cores, 13.75M Cache, up to 3.2 GHz); 85W Intel® Xeon® Silver 4209 (8 Cores, 11M Cache, up to 3.2 GHz); 70W		
	<b>Chipset</b>	Intel® C621 Chipset		
	<b>Memory</b>	Six 288-pin RDIMM up to 192GB	Single Channel DDR4 up to 2933 MHZ	
	<b>BIOS</b>	Insyde SPI 128Mbit		
	<b>GRAPHICS</b>	<b>Display</b>	1 x VGA (opt.)	VGA: resolution up to 1920x1200 @ 60Hz
	<b>Single Displays</b>	VGA (opt.)		
<b>STORAGE</b>	3 x 5.25" Optical Drive Bays (Front Accessible) 1 x 3.5"/2.5" SATA 3.0 Drive Bay (Front Accessible)			
<b>EXPANSION</b>	<b>Interface</b>	3 x PCIe x16 (Gen 3) 3 x PCIe x8 (Gen 3)(share w/ PCIe x16) 1 x M.2 M key 2280 (SATA/PCIe Gen3 x4 NVMe) 1 x M.2 E key 2230 (USB 2.0/PCIe Gen3 x2)		
<b>AUDIO</b>	<b>Audio Codec</b>	Realtek ALC887		
<b>ETHERNET</b>	<b>Controller</b>	2 x Intel® I210AT PCIe (10/100/1000Mbps) IPMI: RTL8211F (opt.)		
<b>LED</b>	<b>Indicators</b>	1 x Power LED 1 x HDD LED		
<b>FRONT I/O</b>	<b>USB</b>	2 x USB 2.0 (available upon request)		
	<b>Front Door</b>	1 x Drive Panel Door With Keylock		
	<b>Buttons</b>	1 x Power Switch 1 x Reset Switch		
<b>REAR I/O</b>	<b>Ethernet</b>	2 x GbE (RJ-45) 1 x Dedicated IPMI LAN (opt.)		
	<b>Serial</b>	1 x RS-232 (DB-9)		
	<b>USB</b>	4x USB 3.1 Gen1 2x USB 2.0 stack (opt.w/ RJ45+USB2.0 stack)		
	<b>PS/2</b>	1 x PS/2 (mini-DIN-6)		
	<b>Display</b>	1 x VGA 1 x DVI-I (DVI-D signal) 1 x HDMI		
	<b>Audio</b>	1 x Line-in (available upon request) 1 x Line-out 1 x Mic-in		
	<b>Buttons</b>	1 x ATX Switch		
<b>COOLING</b>	<b>Fan</b>	2 x 92cm System Fan with Quick Access Filter		
<b>WATCHDOG TIMER</b>	<b>Output &amp; Interval</b>	System Reset, Programmable via Software from 1 to 255 Seconds		
<b>POWER</b>	<b>Supply</b>	ATX PS/2 Power Supply 500W	AC Power Input : 90~264V	
<b>OS SUPPORT</b>	Windows 10 IoT Enterprise 64-bit Linux			



► Specifications

<b>MECHANISM</b>	<b>Construction</b>	SECC	
	<b>Mounting</b>	Flexible Hold Down Bar	
	<b>Dimensions ( W x H x D )</b>	483mm x 177mm x 451mm	
	<b>Weight</b>	21.7kg	
<b>ENVIRONMENT</b>	<b>Operating Temperature</b>	0 to 45°C	
	<b>Storage Temperature</b>	-20 to 60°C	
	<b>Relative Humidity</b>	0 to 90% RH (non-condensing)	
<b>STANDARDS AND CERTIFICATIONS</b>	<b>Shock</b>	Operating: 3G	Non-operating: 5G
	<b>Vibration</b>	Operating: Random 5~500Hz 1G	Non-operating: Sweep Sine 10~500Hz 1.5G
	<b>Package Drop</b>	ISTA Project 1A	
	<b>Certification</b>	CE, FCC, RoHS	