

# RM645-ICX610

C621A

3rd Gen Intel® Xeon®  
Rackmount Edge-Server System

## KEY FEATURES



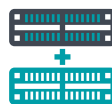
### Server CPU

3rd Gen Intel® Xeon® Scalable Processor Family



### Mass Memory Capacity

8x 288-pin ECC-RDIMM up to 512GB



### Multiple Expansion

3 PCIe x16 Gen4, 3 PCIe x8 Gen4,  
1 M.2 2280 M key



### Rich I/O

2 GbE, 2 10GbE, 1 RS-232, 4 USB 3.1, 2 USB 2.0

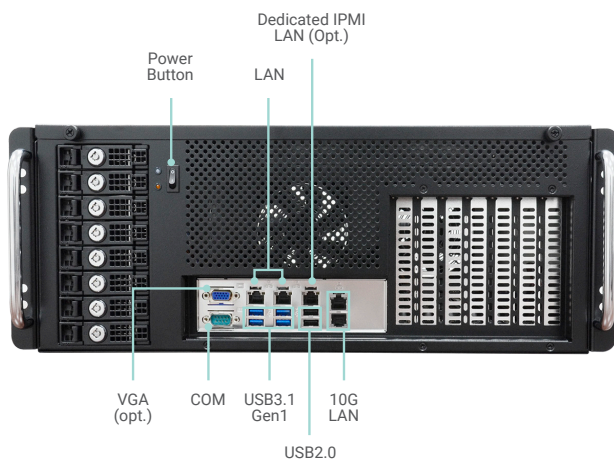


### IPMI

OoB Remote Management



## PANEL

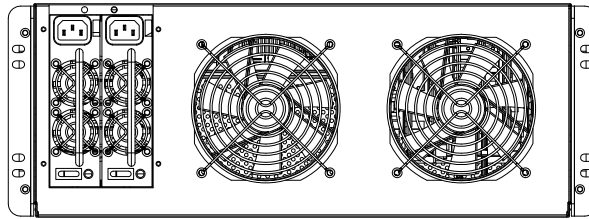


Front View

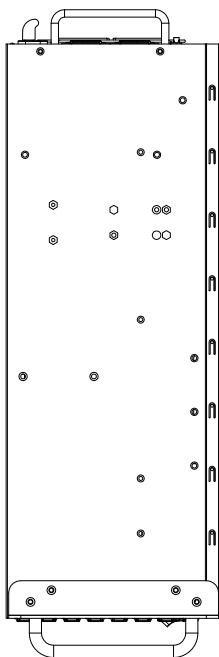


Rear View

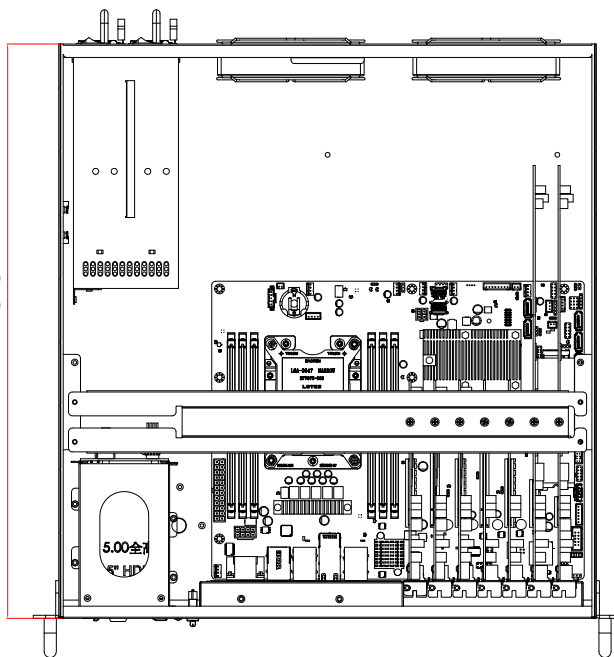
# DIMENSIONS



Rear View

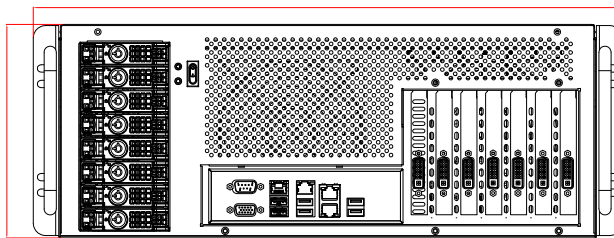


470.8

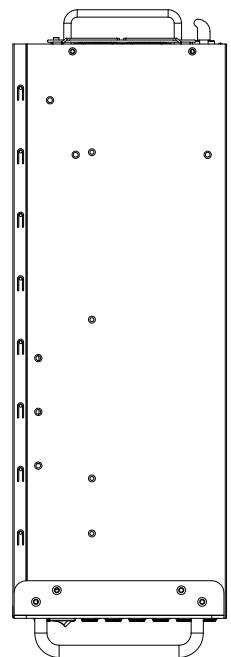


481.60

175.6



Front View



## SPECIFICATION

SYSTEM	Processor	3rd Gen Intel® Xeon® Scalable Processor Family, LGA 4189 (Socket P+) Intel® Xeon® Gold 6338N ( 32 Cores, 48 MB Cache, up to 3.50 GHz ) Intel® Xeon® Gold 6338T ( 24 Cores, 36 MB Cache, up to 3.40 GHz ) Intel® Xeon® Gold 6336Y ( 24 Cores, 36 MB Cache, up to 3.60 GHz ) Intel® Xeon® Gold 6330 ( 28 Cores, 42 MB Cache, up to 3.10 GHz ) Intel® Xeon® Gold 6330N ( 28 Cores, 42 MB Cache, up to 3.40 GHz ) Intel® Xeon® Gold 6326 ( 16 Cores, 24 MB Cache, up to 3.50 GHz ) Intel® Xeon® Gold 6314U ( 32 Cores, 48 MB Cache, up to 3.40 GHz ) Intel® Xeon® Gold 6312U ( 24 Cores, 36 MB Cache, up to 3.60 GHz ) Intel® Xeon® Gold 5320T ( 20 Cores, 30 MB Cache, up to 3.50 GHz ) Intel® Xeon® Gold 5318N ( 24 Cores, 36 MB Cache, up to 3.40 GHz ) Intel® Xeon® Gold 5318Y ( 24 Cores, 36 MB Cache, up to 3.40 GHz ) Intel® Xeon® Gold 5317 ( 12 Cores, 18 MB Cache, up to 3.60 GHz ) Intel® Xeon® Gold 5315Y ( 8 Cores, 12 MB Cache, up to 3.60 GHz ) Intel® Xeon® Silver 4316 ( 20 Cores, 30 MB Cache, up to 3.40 GHz ) Intel® Xeon® Silver 4314 ( 16 Cores, 24 MB Cache, up to 3.40 GHz ) Intel® Xeon® Silver 4310 ( 12 Cores, 18 MB Cache, up to 3.30 GHz ) Intel® Xeon® Silver 4310T ( 10 Cores, 15 MB Cache, up to 3.40 GHz )
	Chipset	Intel® C621A Chipset
	Memory	8 x 288-pin ECC-RDIMM up to 512GB Single Channel DDR4 up to 3200 MHZ
	BIOS	Insyde SPI 128Mbit
GRAPHICS	Controller	BMC AST2500
	Display	1 x VGA (opt.) resolution up to 1920x1200 @ 60Hz
STORAGE	External	6 SATA 3.0 (RAID 0/1/5/10)
	Internal	1 M.2 2280 M key
EXPANSION	Interface	3 x PCIe x16 Gen4 3 x PCIe x8 Gen4
AUDIO	Audio Codec	ALC888S
	Interface	Onboard Front Audio Pin Header
ETHERNET	Controller	2 Intel® I210 2 Intel® X550-AT2 1 IPMI: RTL8211F
FRONT I/O	LED	1 x Power LED 1 x HDD LED
	Ethernet	2 x GbE 2 x 10 GbE 1 x Dedicated IPMI LAN (Opt.)
	Serial	1 x RS-232
	USB	4 x USB 3.1 2 x USB 2.0
	Display	1 x VGA (opt.)
	Audio	Onboard Front Audio Pin Header
BUTTON	Button	1 x Power Button
COOLING	Fan	12 CM Fan x 2
WATCHDOG TIMER	Output & Interval	System Reset, Programmable via Software from 1 to 255 Seconds
SECURITY	TPM	Infineon TPM2.0 (opt.)
POWER	Supply	ATX PS/2 or Mini Redundant PSU
OS SUPPORT	Microsoft	Windows 10 IoT Enterprise LTSB RS5(64-bit) Windows Server 2019
	Linux	Ubuntu 20.04
ENVIRONMENT	Operating Temperature	0 to 40°C
	Storage Temperature	-30 to 60°C with RTC Battery; -40 to 85°C without RTC Battery
	Relative Humidity	5 to 90% RH (non-condensing)
MECHANISM	Construction	Heavy Industrial Steel
	Mounting	Flexible hold down bar
	Dimensions (W x H x D)	481.6 x 175.6 x 470.8mm
	Weight	TBD
	Color	Black
STANDARDS AND CERTIFICATIONS	Shock	<b>Operating:</b> 3G <b>Non-operating:</b> 5G
	Vibration	<b>Operating:</b> random 5~500Hz 1G <b>Non-operating:</b> sweep sine 10~500Hz 1.5G
	Package Drop	ISTA Project 1A
	Certification	CE, FCC class A

## PACKING LIST

• 1 RM645-ICX610 System Unit

## ORDERING INFORMATION

Model Name	Part Number	Description
RM645-ICX610	TBD	TBD