

RM645-S0630

AMD® EPYC™ 3000 Series
Rack Mount Edge System



KEY FEATURES



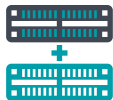
AMD EPYC™ family of products

AMD® EPYC™ Embedded 3451/3351 Processors



Mass Memory Capacity

8 DDR4 RDIMM/UDIMM up to 256GB



Multiple Expansion

3 PCIe x16 (up to 6 PCIe x8), 1 PCI, 2 M.2 M Key



Rich I/O

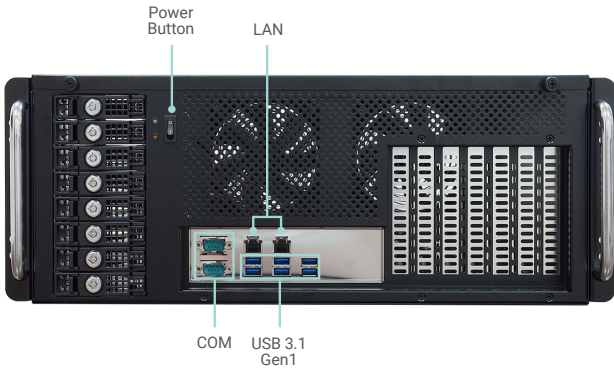
2 COM, 6 USB 3.1 Gen1



10-Years Long Term Support

10-Year CPU Life Cycle Support Until Q1' 31

PANEL

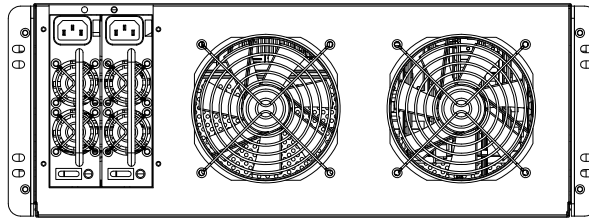


Front View

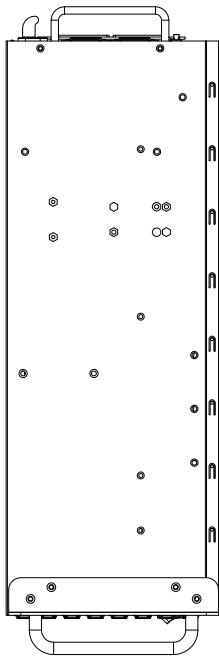


Rear View

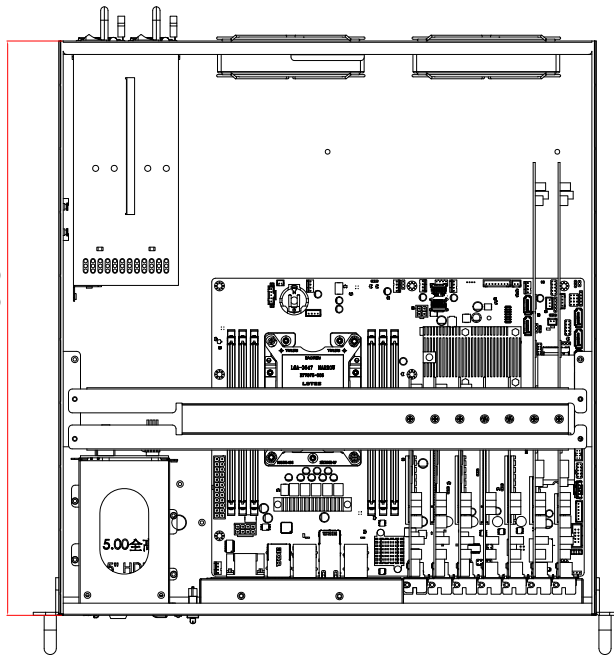
DIMENSIONS



Rear View

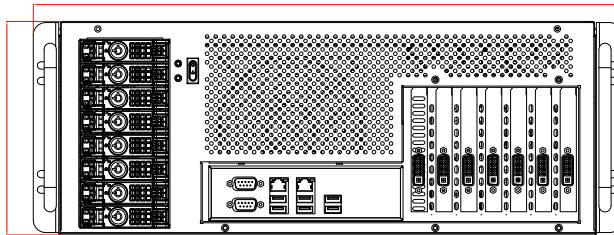


470.8

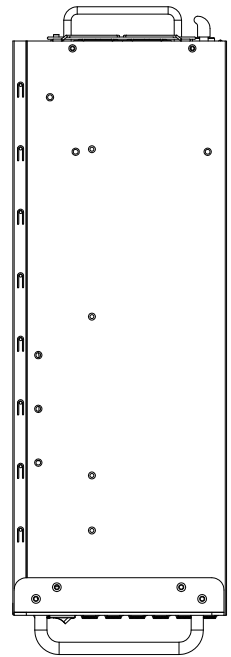


481.60

175.6



Front View



SPECIFICATION

SYSTEM	Processor	AMD® EPYC™ Embedded 3451, 16 Core, 32 Threads, 2.14GHz (3 GHz), 80-100W AMD® EPYC™ Embedded 3351, 12 Core, 24 Threads, 1.9GHz (3 GHz), 60-80W
	Memory	8 DDR4 RDIMM/UDIMM up to 256GB
	BIOS	Insyde
STORAGE	External	5 x SATA 3.0
	Internal	1 x M.2 2280 M Key (PCIe x4 NVMe) 1 x M.2 2280 M Key (SATA/PCIe x2 NVMe)
EXPANSION	Interface	3 x PCIe x16 (up to 6 PCIe x8) 1 x PCI
ETHERNET	Controller	2 x Intel i210AT
FRONT I/O	LED	1 x Power LED 1 x HDD LED
	Ethernet	2 x GbE
	Serial	1 x RS-232/422/485 (DB-9) 1 x RS-232 (DB-9)
	USB	6 x USB 3.1 Gen1
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 Windows Server 2019
	Linux	Opt.
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	Operating: 3G Non-operating: 5G
	Vibration	Operating: random 5~500Hz 1G Non-operating: sweep sine 10~500Hz 1.5G
	Package Drop	ISTA Project 1A
	Certification	TBD

PACKING LIST

• 1 RM645-SO630 System Unit

ORDERING INFORMATION

Model Name	Part Number	Description
RM645-SO630	TBD	TBD