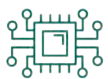# CUSTOMIZABLE RUGGED SERVERS

HARSHPRO

POWERFUL

HarshPro Servers are equipped with Intel® Xeon® processors, high capacity, with high speed NVMe SSDs, and support large amounts of memory

CUSTOMIZED

All HarshPro Servers are built to order. Customize components and configuration to create your perfect server

TOUGH

HarshPro Servers are built to withstand harsh industrial environments and have undergone rigorous testing and product certification

REMOTE READY

All HarshPro Servers come with integrated Lights Out Management – 100% remote management at no extra cost

HARSHPRO SERVER RANGE

		IP20	IP20S	IP20A	IP43	IP66
		Rack mount server designed for harsh environments	Rugged all flash storage server designed for fast IOPS in harsh conditions	Rack mount server with GPUs for AI/ML	Small form factor server designed for large scale deployments	Rugged server extending data center functionality to harsh and remote environments
Enclosure	Dimensions	19″ rack, 2U Chassis 482mm (L) x 480mm (W) x 88mm (H)		3U Chassis 482mm (L) x 480mm (W) x 88mm (H)	Small form factor 150mm (L) x 298mm (W) x 350mm (H)* *including IP43 kit	382mm (L) x 352mm (W) x 112mm (H)
	Installation	Wall mount, standalone, DIN rail				
	Dust Protection	Optional filter on air intake			Optional filter on air intake	Sealed – Dustproof
	Water Protection	Not provided			Spray up to 60 degrees from vertical	Sealed – Waterproof
	Cooling	Forced convection			Forced convection	Fanless natural convection
Memory Slots *RDIMM up to 32GB per slot* *UDIMM up to 16GB per slot*	DIMM Slots	4			2	4
	Maximum Capacity	128GB RDIMM 64GB UDIMM			64GB RDIMM 32GB UDIMM	128GB RDIMM 64GM UDIMM
Storage	Maximum Capacity	Up to 46TB (6 x 7.68TB SSD)		Up to 10TB (5 x 2TB SSD)	Up to 8TB (4 x 2TB SSD)	Up to 12TB (6 x 2TB SSD)
	Storage Technology	M.2. or U.2 NVMe SSD		M.2 only	M.2 only	M.2 only
Expansion Slots	M.2 M-Key Slots	6			4	6
	M.2 E-Key Slots	1			1	1
	PCIe x4 slots	–			1	–
GPU Support	PCIe x4 slots	No		Yes (up to 2 2.7 slot width cards)	Yes (1 2.7 slot width card)	No
Operating Temperature	Normal Temperature (0-40ºC)	Yes			Yes	Yes
	Wide Temperature (-20ºC-50ºC)	Yes			Yes	Yes
Power		90–264VAC, DC or POE++			90–264VAC or 12–24VDC	External 12VDC with reverse polarity protection or POE++
Usage	TBC	General purpose edge compute or gateway	Edge AI/ML, signal processing	High speed edge storage	Rugged workstation with GPU support	General purpose edge compute or gateway for ultra harsh environments
Price		From USD $3,190	From USD $3,190 (excluding storage)	From USD $3,190 (excluding GPUs)	From USD $1,435	From USD $4,990

Need something more specific? All HarshPro Servers are built to order, please contact us at *partnerwithus@lanternedge.com* to discuss customization options.

THE LANTERNEDGE DIFFERENCE

About LanternEdge

LanternEdge designs and builds technologies to enable intelligence for harsh and hazardous environments. Our hardware products power cloud-native applications, distributed cloud and advanced analytics at the edge of operations. Our solutions leverage open and scalable technologies to reduce costs and overheads, improving safety and productivity in the toughest industrial environments. LanternEdge products and solutions are designed and delivered in-house from Singapore.

Customized

All HarshPro Servers are built to order to meet your company's specific needs and requirements. Create your perfect configuration by selecting only the components you need.

Focused on Deployments at Scale

LanternEdge is built for volume contracts, offering direct manufacturing with global support for configuration build and logistics. Work with LanternEdge to build new products to suit your needs.

Manufactured Where You Want It

LanternEdge products are designed and manufactured in Singapore. These designs can be licensed for manufacture in locations to support your supply chain strategy.

With You for the Long Haul

LanternEdge supports high availability and long product lifecycle. Standard policy is to replace not repair and warranty coverage can be extended to match operational requirements.

LANTERNEDGE PTE LTD

1 one-north Crescent
#07-02 (Enterprise Suite 5)
Razer SEA HQ
Singapore 138583
partnerwithus@lanternedge.com
lanternedge.com