IRON LINK
POWERED BY VELASEA

IL-1U-PLUS SERIES

IRON LINK® 1U PLUS DUAL-GPU SHORT DEPTH SYSTEM

PRODUCT OVERVIEW

The IL-1U-PLUS is a high-performance 1U short-depth rackmount system designed for demanding edge AI applications. Engineered for extreme flexibility, it supports two full-height/full-length GPUs and is powered by Intel® 14th Gen Core™ processors. With up to 30TB of storage, eight 4K video channels, and a compact 13.5” chassis, it delivers powerful computing in a space-efficient design. Pre-installed with Windows® 10 IoT or Ubuntu®, the IL-1U-PLUS is an ideal solution for AI inference, video analytics, and other GPU-accelerated workloads. Backed by a 3-year depot warranty, it ensures reliability for mission-critical deployments.

KEY FEATURES

- Up to 30TB Storage
- Intel® Core™ 14th Gen Processors
- Supports Two (2) Full-Height/Full-Length GPUs
- Short Depth 1U Chassis - 13.5”
- Up to Eight (8) 4K Video Channels
- 3-Year Depot Warranty





Images displayed are for general reference only and may differ based on build. Product specifications are provided for informational purposes only, and are subject to change, correction, or revision without notice. It is the customer’s responsibility to validate product specifications prior to purchase or installation, and to ensure that those specifications are suitable for a particular use. Please refer to velasea.com or contact your sales representative for the latest IRON LINK® products, specs, and upcoming releases. Intel®, Core™, Xeon®, and the Intel® logo are trademarks of Intel Corporation. Microsoft® and Windows® are trademarks of Microsoft Corporation. Ubuntu® and the Ubuntu® logo are trademarks of Canonical Corporation. NVIDIA® and the NVIDIA® logo are trademarks of NVIDIA Corporation.

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SYSTEM

Operating System:
Windows® 10/11 IoT Enterprise
Windows® 11 Pro
Ubuntu® Linux

Supported CPU:
(1) 14th Gen Intel® Core™ i3–i9

Memory Configuration:
Up to 64GB DDR4 RAM

Networking:
(2) Intel® i225 2.5GbE NICs
Optional: (1) Intel® WiFi 6

PCIe x16 Support:
(2) NVIDIA® RTX 4000 Ada
(2) NVIDIA® RTX A1000
(2) NVIDIA® RTX A400
(1) NVIDIA® RTX 2000 Ada
(1) RAID Controller
(1) Network Interface Card

MECHANICAL

Form Factor:
1U Short Depth Rackmount

Power Supply:
(1) 500W FlexATX 80+ PSU
90–264VAC Input Voltage

Operating Temperature:
32°F – 104°F (0°C – 40°C)

Dimensions (WxDxH):
17.3” x 13.6" x 1.75”
(440 mm x 345 mm x 44.5 mm)

Weight:
11 lb (4.99 kg)

Warranty:
3-Year Depot Warranty

STORAGE + PORTS

Storage Slots:
(1) M.2 NVMe 2280 SSD
(1) M.2 NVMe/SATA 2242 SSD

(2) Fixed 2.5” SSD
-or-
(1) Fixed 3.5" HDD

Expansion Slots:
(2) PCIe x16 Slots (FHFL)
(1) M.2 2280 PCIe Gen4 x4
(1) M.2 2242 PCIe Gen4 x4 / SATA
(1) M.2 3042/3052 PCIe x1, USB, SIM

I/O Ports:
(1) HDMI 2.0b
(2) DP 1.4a
(1) VGA
(2) 2.5GbE LAN
(4) USB 3.2, Gen2
(1) Mic-In/Line-Out
(2) COM RS-232/422/485

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