

IL-1U-PLUS SERIES

IRONLINK® DUAL-GPU 1U 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



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SYSTEM

Operating System:

Windows® 10/11 IoT Enterprise
Windows® 11 Pro
Ubuntu® Linux 22.04

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