

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 22TB of storage, 8x 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 22TB 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

Networking:

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

PCIe x16 Support:

(2) NVIDIA® RTX 4000 Ada
(2) NVIDIA® RTX A1000
(2) NVIDIA® RTX A400
NVIDIA® RTX 2000 Ada
RAID Controller
Network Interface Card

MECHANICAL

Form Factor:

1U Short Depth Rackmount

Power Supply:

(1) 500W FlexATX 80+ PSU
90–264V AC Input Voltage

Environmental:

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

Dimensions (WxDxH):

13.6" x 17.3" x 1.75"
(345 mm x 440 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

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:

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