

IL-1U-MAX SERIES

IRONLINK® AI-READY 1U FULL DEPTH SYSTEM

PRODUCT OVERVIEW

The IL-1U-MAX is a powerful AI-ready 1U full-depth rackmount system built for high-performance edge AI and GPU-accelerated workloads. Designed for maximum flexibility, it supports two full-height/full-length GPUs and is powered by Intel® 14th Gen Core™ processors. With up to 96TB of hot-swappable storage, eight 4K video channels, and a redundant power supply for enhanced reliability, the IL-1U-MAX is ideal for AI inference, video analytics, and data-intensive applications. Pre-installed with Windows® 10 IoT or Ubuntu® and backed by a 3-year depot warranty, this system ensures scalability, efficiency, and resilience in demanding environments.



KEY FEATURES



Up to 96TB Hot-Swappable Storage



Intel® Core™ 14th Generation Processors



Supports Two (2) Full-Height/Full-Length GPUs



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 Full Depth Rackmount

Power Supply:

(2) 500W Redundant Hot-Swap
80+ Gold PSU 90–264VAC

Operating Temperature:

32°F – 104°F (0°C – 40°C)

Dimensions (WxDxH):

17.3" x 23.6" x 1.75"
(440 mm x 600mm x 44.5 mm)

Weight:

28 lb (12.7 kg)

Warranty:

3-Year Depot Warranty

STORAGE + PORTS

Storage Slots:

(4) Hot-Swap 3.5" SATA/SAS
(2) Fixed 2.5" SSD
(1) M.2 NVMe 2280 SSD
(1) M.2 NVMe/SATA 2242 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:

(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