

# 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.

**intel.**

### 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