IRON LINK

POWERED BY VELASEA

IL-R104P SERIES

IRON LINK® PROFESSIONAL 1U RACKMOUNT 4-BAY NETWORK VIDEO RECORDING SERVER

PRODUCT OVERVIEW

The Iron Link® R104P is a high-density 1U rackmount network video recording server designed for professional surveillance environments that require reliable performance in a compact data center footprint. Powered by Intel® Core™ Ultra processors, the system supports up to 256GB of ECC DDR5 memory and 128TB of enterprise-class storage, delivering the performance and capacity needed for modern VMS deployments. With dedicated hardware RAID, redundant power supplies, and integrated remote management, the IL-R104P provides the resilience and manageability expected in enterprise security infrastructure and backed by Velasea's 5-year next-business-day on-site support.

KEY FEATURES

Up to 128TB of Raw Storage

Enterprise Class SATA Drives

Intel® Core™ Ultra

Windows® 10/11 IoT Enterprise

Dedicated Hardware RAID Controller

5-Year NBD On-Site with KYHD

20260420.2

IL-R104P SERIES

IRON LINK® PROFESSIONAL 1U RACKMOUNT 4-BAY NETWORK VIDEO RECORDING SERVER

SYSTEM

Operating System:
Windows® 11 Pro
Windows® 10/11 IoT Enterprise
Ubuntu® Linux 20/22.04

Supported CPU:
(1) Intel® Core™ Ultra

Memory Configuration:
(4) UDIMM Slots
Up to 256GB DDR5 288-pin ECC

Embedded Networking:
(2) 10GbE RJ45
(2) 1GbE RJ45

Expansion Slots:
(1) PCIe 5.0 x16 (RAID Card)

Onboard Management:
Dedicated IPMI

Security Module:
Trusted Platform Module (TPM)
2.0

MECHANICAL

Form Factor:
1U Rackmount

Power Supply:
(2) 750W 80 Plus Platinum PSU

Environmental:
Operating Temperature:
50°F ~ 95°F (10°C ~ 35°C)

Non-Operating Temperature:
-40°F − 158°F (-40°C − 70°C)

Operating Rel. Humidity:
10% − 85% (non-condensing)

Non-Operating Rel. Humidity:
20% − 90% (non-condensing)

Dimensions (WxDxH):
17.2" x 26.6" x 1.7"
(438 mm x 676 mm x 43.5 mm)

Weight:
28 lb (12.7 kg)

Warranty:
5-Year NBD On-Site with KYHD

STORAGE + PORTS

Drive Bays:
(4) Hot-Swap 3.5" SATA
(3) 2.5" Internal SATA

M.2 Slots:
(2) M.2 2280 (PCIe4.0 x4)

Supported RAID Levels:
OS SSD drives: 0, 1
Data drives: 0,1,5,6,10

RAID Controller:
LSI MegaRAID SAS 9560-8i
(4GB Cache)

I/O Ports:
FRONT:
(2) USB 3.0

REAR:
(2) Type-A (USB3.2 Gen1)
(1) RS232
(1) RJ45 IPMI

Video Outputs:
(1) VGA Port
(1) HDMI
(1) Display Port