IL-R102P SERIES

IRON LINK® PROFESSIONAL 1U RACKMOUNT 2-BAY NETWORK VIDEO RECORDING SERVER

PRODUCT OVERVIEW

The Iron Link® R102P is a short depth 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 128GB of ECC DDR5 memory and 64TB of enterprise-class storage, delivering the performance and capacity needed for small edge based VMS deployments. With Intel® VMD RAID and a depth under 16", the IL-R102P provides the resilience expected in enterprise security infrastructure packed in a short depth chassis and backed by Velasea's 5-year next-business-day on-site support.

KEY FEATURES

Up to 64TB of Raw Storage

Enterprise Class SATA Drives

Intel® Core™ Ultra

Windows® 10/11 IoT Enterprise

Intel® VMD RAID

5-Year NBD On-Site with KYHD

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SYSTEM

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

Supported CPU:
(1) Intel® Core™ Ultra

Memory Configuration:
(2) SODIMM Slots
Up to 128GB DDR5 Non-ECC

Embedded Networking:
(1) RJ45 1GbE Port
(1) RJ45 2.5GbE Port

Expansion Slots:
(1) PCIe x16 Gen5

GPU Support:
Up to (1) FH Single Wide GPU

RAID:
Intel® VMD RAID

Security Module:
Trusted Platform Module (TPM) 2.0

MECHANICAL

Form Factor:
1U Rackmount

Power Supply:
(1) 450W 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:
17.6 lb (8 kg)

Warranty:
5-Year NBD On-Site with KYHD

STORAGE + PORTS

Drive Bays:
(2) Internal 3.5" SATA

M.2 Expansion:
(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