IRON LINK
POWERED BY VELASEA

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



Images displayed are for general reference only and may differ based on build. Product specifications are provided for informational purposes only, and are subject to change, correction, or revision without notice. It is the customer's responsibility to validate product specifications prior to purchase or installation, and to ensure that those specifications are suitable for a particular use. Please refer to velasea.com or contact your sales representative for the latest Iron Link products, specs, and upcoming releases. Intel®, Core™, Xeon®, and the Intel® logo are trademarks of Intel Corporation. Microsoft® and Windows® are trademarks of Microsoft Corporation. Ubuntu® and the Ubuntu® logo are trademarks of Canonical Corporation. The Canopy logo is a trademark of Banyan Hills Technologies.

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SYSTEM

Operating System:
Windows® 11 Pro
Windows® 10/11 IoT Enterprise
Windows® Server IoT 2022/2025 Std.
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

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