IL-VWC4UP SERIES

IRON LINK® PROFESSIONAL 4U PLUS RACKMOUNT/TOWER 3/8 BAY VIDEO WALL CONTROLLER

PRODUCT OVERVIEW

The IRON LINK® VWC4UP is a powerful 4U rackmount or tower video wall controller engineered for demanding command center and security operations environments. Powered by Intel® Core™ Ultra processors, the system supports up to 256GB of memory and up to 256TB of storage, delivering the performance required for large-scale visualization and monitoring workloads. With support for up to 12 video outputs and multiple professional GPUs, the IL-VWC4UP enables flexible video wall configurations for real-time situational awareness. Designed for reliability with optional redundant power, dedicated hardware RAID, and remote management, the platform provides a purpose-built foundation for modern security operations centers all under Velasea's 5-year next-business-day on-site support.

KEY FEATURES

- Up to 256TB of Storage
- Enterprise Class SATA Drives
- Intel® Core™ Ultra
- Dedicated Hardware RAID Controller
- OPTIONAL Redundant Power Supply
- 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.

IRON LINK
POWERED BY VELASEA

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SYSTEM

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

Supported CPU:
(1) Intel® Core™ Ultra

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

Embedded Networking:
(2) RJ45 2.5GbE Ports

Expansion Slots:
(2) PCIe 5.0 x16 (x8/x8)
(1) PCIe 4.0 x16 (x4 Electrical)

GPU Support:
(2) Double Wide FH GPU
-OR-
(3) Single Wide FH GPU

Onboard Management:
Dedicated IPMI

Security Module:
Trusted Platform Module (TPM) 2.0

MECHANICAL

Form Factor:
4U Rackmount

Power Supply:
(1) 850W Fixed 100-240V
AC 80+ Gold

OPTIONAL: Redundant Power

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

Non-Operating Temperature:
-40°F – 149°F (-40°C – 65°C)

Operating Rel. Humidity:
20% – 80% (non-condensing)

Non-Operating Rel. Humidity:
5% – 95% (non-condensing)

Dimensions (WxDxH):
16.9" x 20.3" x 6.9"
(430mm x 515mm x 174.8mm)

Weight:
53 lb (24.1 kg)

Warranty:
5-Year NBD On-Site with KYHD

STORAGE + PORTS

Drive Bays:
(3) Internal 3.5" SATA / SAS

OPTIONAL:
(5) Hot-Swap 3.5" SATA / SAS

M.2 Expansion:
(4) M.2 2280 (PCIe4.0 x4)

Supported Software RAID Levels:
OS M.2 SSD drives: 0, 1
Data drives: 0, 1, 5, 6, 10

RAID Controller:
LSI MegaRAID SAS 9560-8i (4GB Cache)
-OR-
RocketRAID RR3720C 8-Port Cacheless

I/O Ports:
FRONT:
(2) USB 2.0

REAR:
(1) Thunderbolt™ 4 Type-C
(1) USB 3.2 Gen2x2 Type-C
(6) USB 3.2 Gen2 Type-A

Video Outputs:
(1) HDMI
(1) VGA

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