IRON LINK
POWERED BY VELASEA

# IL-VWC4UM SERIES

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

## PRODUCT OVERVIEW

The IRON LINK® VWC4UM is a high-performance 4U rackmount or tower video wall controller built for large-scale visualization environments such as security operations centers, command centers, and critical monitoring facilities. Powered by Intel® Xeon® W-2500 or W-3500 processors, the platform supports up to 2TB of ECC DDR5 memory and up to 256TB of storage, delivering the compute and graphics capacity required for complex multi-display deployments. With support for up to 28 video outputs and multiple professional GPUs, the IL-VWC4UM enables expansive, high-resolution video wall configurations for real-time situational awareness. Designed for reliability with dedicated hardware RAID, optional redundant power, and remote management, the system provides a scalable, purpose-built foundation for advanced visualization workloads backed by Velasea's 5-year next-business-day on-site support.

## KEY FEATURES

- Up to 256TB of Storage
- Enterprise Class SATA Drives
- Intel® Xeon® W-2500 -OR- W-3500
- 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.

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## SYSTEM

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

**Supported CPU:**
(1) Intel® Xeon® W-2500 / 3500

**Memory Configuration:**
(4) RDIMM Slots (W-2500)
Up to 1TB DDR5 288-pin ECC RDIMM
(8) RDIMM Slots (W-3500)
Up to 2TB DDR5 288-pin ECC RDIMM

**Embedded Networking:**
(2) RJ45 10GbE Ports

**Expansion Slots:**
(4) PCIe 5.0 x16 (W-2500)
(7) PCIe 5.0 x16 (W-3500)
(1) PCIe 5.0 x8 (W-3500)

**GPU Support:**
Up to (4) Double/Single Wide FH GPU (W-2500)

Up to (4) Double Wide FH GPU
-OR-
Up to (7) Single Wide FH GPU
(W-3500)

**Onboard Management:**
Dedicated IPMI

**Security Module:**
Trusted Platform Module (TPM) 2.0

## MECHANICAL

**Form Factor:**
4U Rackmount

**Power Supply:**
(1) 2500W / 1600W (240v/120v) Fixed 100-240V AC 80+ Platinum

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 23.5" x 6.9"
(430mm x 596mm x 174.8mm)

**Weight:**
60 lb (27.2 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 Slots:**
(1) M.2 2280 (PCIe4.0 x4) - W-2500 / W-3500

(2) M.2 2280 (PCIe5.0 x4) - W-3500 Only

**Supported 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:
(2) USB 3.2 Gen2 Type-C
(4) USB 3.2 Gen 2 Type-A
(1) USB 3.2 Gen2 Type-C
(2) USB 2.0 Type-A

**Video Outputs:**
(1) VGA

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