

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



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SYSTEM

Operating System:

Windows® 11 Pro
Windows® 10/11 IoT Enterprise
Ubuntu® Linux 20/22/24.04

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 if both populated)
(1) PCIe 4.0 x16 Mechanical
(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