MPN: HIPERCONTROLLER

2U HiperWall Controller with Ultra 5 225, 32GB, 2x500GB SSD RAID1, 2.5GbE/1GbE, 2x550W

Hiperwall Controller Server – Centralized Video Wall Management Platform



The 2U Hiperwall Controller Server is a reliable and efficient solution designed to manage, control, and orchestrate complex video wall environments. Built for stability and ease of operation, this platform acts as the central control point for Hiperwall systems, enabling seamless content distribution, layout management, and system coordination across multiple displays and nodes.

Powered by the Intel Ultra 5 225 processor, the controller delivers dependable performance for system coordination, layout rendering, and user interaction. With 32GB of system memory, it ensures smooth operation, responsive control, and the ability to handle multiple simultaneous users and content sources without performance degradation.

The storage subsystem consists of two 500GB SSDs configured in RAID 1, providing both fast system responsiveness and built-in data redundancy. This ensures critical configurations, layouts, and system data are protected against drive failure, enhancing overall system reliability and uptime.

The server utilizes integrated Intel graphics, which are fully optimized for control and management tasks rather than heavy rendering workloads. This makes the system highly efficient for its primary role as a controller, delivering stable visual output for system monitoring and administrative interfaces.

Networking flexibility is provided through 1×2.5GbE and 1×1GbE interfaces, allowing seamless integration into a wide range of network infrastructures. These connections ensure reliable communication between the controller, streamer nodes, and display clients within the Hiperwall ecosystem.

To guarantee high availability in mission-critical environments, the system features dual 550W redundant power supplies. This ensures continuous operation even in the event of a power supply failure, minimizing downtime and maintaining operational continuity.

- Intel Ultra 5 225 processor for efficient IP streaming performance
- 32GB RAM for stable multitasking and stream handling
- 2 × 500GB SSD in RAID 1 for redundancy and data protection
- Integrated Intel graphics optimized for control and monitoring tasks
- Network interfaces: 2.5GbE and 1GbE for flexible connectivity
- Dual 550W redundant power supplies for high availability

Specifications

Battery	**Battery Weight (g)**	2.5 g
	Lithium Weight (g)	0.007 g
Certificates	**NDAA Compliance**	Yes
Design	**Chassis type**	Rack
	Cooling type	Active

Design	**Motherboard form factor**	micro ATX
	Product colour	Black, Silver
	Rack mounting	Yes
	Rack rails	No
Expansion slots	**PCI Express x16 (Gen 5.x) slots**	1
	PCI Express x4 slots	1
Graphics	**Number of displays supported (on-board graphics)**	2
	On-board graphics card	Yes
	On-board graphics card 4K support	Yes
	On-board graphics card family	Intel® Graphics
	On-board graphics card model	Intel® Graphics
Legal Information	**ADR Information**	UN3091 - Lithium METAL (inside equiment)
	Country of Origin	Denmark
	EU ECCN Code	N/A
	Tariff No.	8471490000
	UNSPSC Code	43211501
	US ECCN Code	5A992C
Memory	**Buffered memory type**	Unregistered (unbuffered)
	Internal memory	32 GB
	Internal memory type	DDR5
	Maximum internal memory	256 GB
	Memory data transfer rate	5600 MT/s
	Memory layout (slots x size)	2 x 16 GB
	Memory slots	4
Network	**Ethernet interface type**	2.5 Gigabit Ethernet, Gigabit Ethernet
	Ethernet LAN	Yes
	Number of LAN controllers	2
Other features	**Dimensions (WxDxH)**	504x432.4x88 mm
	Hot-swap HDD bays	No
	Integrated BMC with IPMI	No
	Integrated LAN	Yes
	Number of SATA connectors	4
	RAID controller type	Software
Package dimensions	**Depth (package,cm)**	69 cm
	Gross Weight (Package, kg)	12 kg
	Height (package,cm)	21 cm
	Width (package,cm)	57 cm
Packaging content	**Cables included**	Power

Performance	**BIOS type**	UEFI AMI
	Export Control Classification Number (ECCN)	5A992C
Ports & interfaces	**DisplayPorts quantity**	1
	Ethernet LAN (RJ-45) ports	2
	HDMI ports quantity	1
	HDMI version	2.1
	Number of SATA III connectors	4
	USB 2.0 ports quantity	3
	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	4
	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Power	**Number of redundant power supplies installed**	2
	Power supply	550 W
	Redundant power supply (RPS) support	Yes
Processor	**Efficient cores**	4
	Efficient-core base frequency	2.7 GHz
	Motherboard chipset	B860
	Performance cores	6
	Performance-core base frequency	3.3 GHz
	Performance-core Max Turbo Frequency	4.9 GHz
	Processor cache	20 MB
	Processor cache type	Smart Cache
	Processor cores	10
	Processor family	Intel® Core™ Ultra Processor
	Processor generation	Intel Core Ultra (Series 2)
	Processor manufacturer	Intel
	Processor model	225
	Processor socket	LGA 1851 (Socket V1)
	Processor threads	10
	Thermal Design Power (TDP)	65 W
Product dimensions	**Net Weight (Product, kg)**	10 kg
	Product Depth	50.4 cm
	Product Height	88 cm
	Product Width	43.2 cm
Software	**Compatible operating systems**	Windows 11
Storage	**Internal drive bays**	4

Storage	**Number of 5.25" bays**	2
	Number of HDDs supported	4
	Number of SSDs installed	1
	Number of SSDs supported	3
	NVMe	Yes
	RAID levels	0, 1, 10
	RAID support	Yes
	SSD capacity	500 GB
	SSD interface	SATA III
	SSD size	2.5"
	Supported HDD sizes	3.5 "
	Supported storage drive interfaces	M.2, Serial ATA III
	Total storage capacity	500 GB
Technical details	**3.5" HDD support**	4
	Chassis dimensions	19.84x17.02x3.46 "
	Warranty period	3 year(s)
Vendor information	**Brand Name**	Ernitec
	Warranty	3 Year(s)

Other images





