

WL-840B-A

Box Industrial Private Cloud

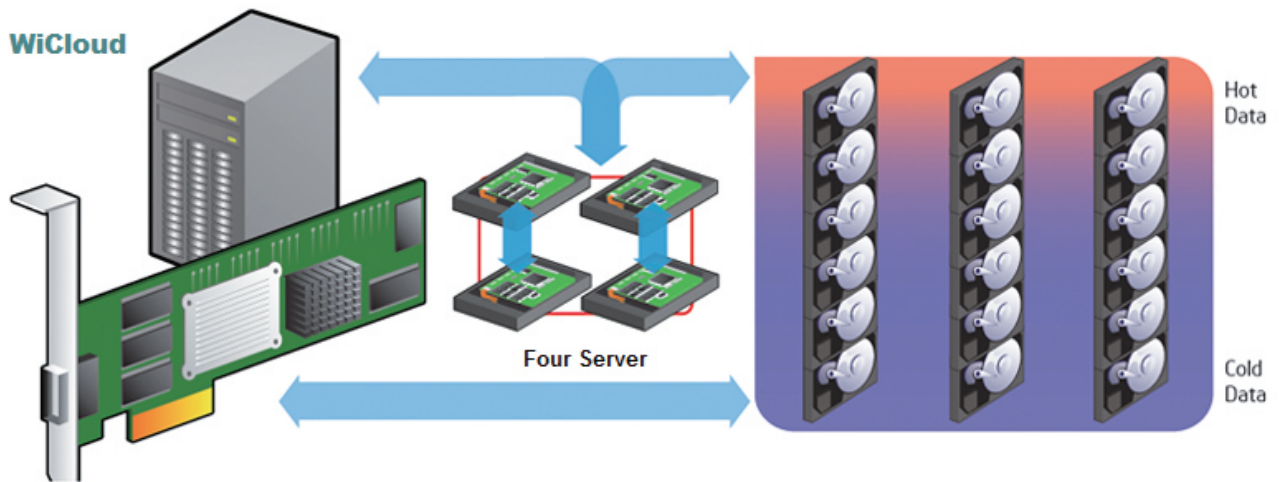


Description:

WL-840B-A as the first integrated OT solution designed specifically for Industry environments, the award-winning WL-840B-A integrates servers, storage, networking and management together in a single, compact chassis with office-optimized dimensions, acoustics and security. Employing the latest WiCloud technology and high-availability features, WL-840B-A can help you gain fast application response times, run multiple applications that need performance or low latency, power through peak processing periods and scale for future business growth.

Drive Tier 1, back-end workloads with 4-socket, 1U server nodes featuring huge memory capacity, wide network bandwidth and low-latency Express Flash storage. Optional redundant RAID Controller provides high-availability RAID controller failover inside the chassis.

Support for optional general-purpose computing on graphics processor units (GPGPU) enables virtual desktop infrastructure in remote industry environments.



Features:

Up to four server nodes with flexible configurations that meet your specific needs

Support for New-generation Inter V3 CPU 2-socket 16 core

Hot-plug and swappable SSDs

Optional hot-plug and swappable power supply units and fans

All server nodes have access to the low-latency internal shared storage, which is essential for virtualization. This also helps enable efficient processing through peak periods and can improve server-use flexibility.

Each server node to see the storage as its own singular storage pool

Live migration of virtual machines within the WL-840B-A cabinet without the expense of cabling, powering and managing a SAN

Choice of up to 12 x 3.5" SSDs (48TB max.) to scale for capacity.

Simple, efficient and versatile systems management

System specifications

PROCESSORS

Logical processor	1-2 socket per customer replaceable unit (CRU)
Processor	Intel® Xeon® processor E5-2603, 2.4 GHz
Cores	8 (per processor)
L2 cache	10 MB (per processor)
Intel QPI speed	6.4 GT/s
Maximum memory bandwidth	34.1 GB/s

MEMORY

Min/max memory	16 GB/128 GB DDR3
DIMM slots	16 (per CRU)

I/O SUBSYSTEM

Integrated PCI adapter slots	1 PCI-Express (per CRU)
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STORAGE SUBSYSTEM

Internal system drive bays	15K/ SSD (4 TB, 8 TB)
Internal SAS disk drives supported	Up to 24 x 3.5in NLSAS, SAS, or SAS SSD hot-plug drives
Expansion drive slots	up to 1 optional (per CRU)

8Gb Fibre Channel for external storage

EMBEDDED I/O

10/100/1000 Ethernet ports	2 (per CRU)
10/100 Management Ethernet ports	1 (per CRU)
USB ports	4 (per CRU)

SWITCH

10/100/1000 Ethernet ports	24
Chassis enclosure	2U rack enclosure

MANAGEABILITY

Baseboard management controller	standard
Virtual Technician Module (VTM)	standard
Graphics adapter	1 VGA port per system
Optional modem	1 on rear panel

PCI ADAPTERS

1 Gigabit dual-port Ethernet	up to 1 optional (per CRU)
8Gb Fibre Channel for external storage	up to 1 optional (per CRU)

SERVICEABILITY

Hot-swappable components	CPU / I/O module, disks
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OPERATING SYSTEM

Virtualization	Windows server 2012 R2 Hyper-V
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POWER AND PACKAGING

Input voltage	100-127, 200-240 VAC; 50 Hz, 60 Hz
System dimension (H x W x D)	21" (12U) x 17.5" x 30.1" with bezel
Weight (fully loaded including rails)	231.86lbs(105.17 kg)

CABINET

Chassis enclosure	Up to 12U rack enclosure
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