

WiCloud WL800B Family



Description:

As the first integrated OT solution designed specifically for Industry environments, the award-winning¹ WL800B integrates servers, storage, networking and management together in a single, compact chassis with office-optimized dimensions, acoustics and security.

WL800B is the only fully integrated, preconfigured, and pre-tested hyper-converged infrastructure appliance family on the market. Based on Microsoft Hyper-V, and WitLinc software, WL800B delivers an all-in-one IT infrastructure transformation by leveraging a known and proven building block for the Industrial Private Cloud (IPC).

With the power of a whole SAN in just six rack units, they provide a simple, cost effective hyper-converged solution for a wide variety of applications and workloads. WL800B Appliances deliver resiliency, QoS, and centralized management functionality enabling faster, better, and simpler management of consolidated workloads, Industrial

Automation, virtual desktops.

The WL800B family delivers a known and proven building block for the IPC that delivers up to 5x the performance of other hyper-converged and real server appliances. Scale capacity and performance easily and non-disruptively up to 64 nodes (16 appliances) per cluster, allowing you to start small and grow incrementally without up-front planning.

Available in multiple configurations, WL800B allows you to start small with as little as 20 virtual machines (VMs) and scale to thousands. WL800B's architecture enables a predictable pay-as-you-grow approach that aligns to your industrial control and user demand.

The WL800B architecture is a distributed system consisting of common modular building blocks that scale linearly from 1 to 16 8U/3 node appliances, up to 64 nodes in a cluster. Multiple compute, memory, and storage options deliver configurations to match any use case.

Choose from a range of next-gen Intel processors, variable RAM, storage, and cache capacity, and more flexible CPU-to-RAM-to-storage ratios. Single-node scaling and low-cost entry point options allow you to procure just the right amount of storage and compute for today's requirements and tomorrow's growth.

A fully populated hybrid appliance supports up to 80 cores and up to 24 TB of raw storage. A 64-node cluster delivers 1,280 cores and 384 TB of raw storage.



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

WL800B SPECIFICATIONS:

| | WL820B | WL 840B | WL860B | WL880B |
|----------------------------------|---|---|---|---|
| Processor Cores per node | 6 | 12 | 16 | 20 |
| Processors per node | 1 Intel® Xeon® Processor E5-2603 v3 1.6 GHz | 2 Intel® Xeon® Processor E5-2620 v3 2.4 GHz | 2 Intel® Xeon® Processor E5-2630 v3 2.4 GHz | 2 Intel® Xeon® Processor E5-2660 v3 2.6 GHz |
| RAM per node | 64 GB | 128 GB | 256 GB | 256 GB |
| Storage (Raw) per node | 3.6-10 TB | 3.6-10 TB | 4.8-10 TB | 4.8-10 TB |
| Minimum Nodes Per Cluster | 3 | 3 | 3 | 3 |
| Maximum Nodes Per Cluster | 64 | 64 | 64 | 64 |
| Core Switch Per Cluster | 2 | 2 | 2 | 2 |