

MaxCube[®] 8270

Rugged Deployable Server



The MaxCube[®] 8270 is one tough, reliable, ultra-compact, rugged, mobile, super server

Designed to meet the needs of servers compliant with virtual environments and any Windows Server, Linux Server, or Desktop OS.

In the space of one cubic foot, the MaxCube[®] II provides:

SuperMicro X11DPL-i motherboard; Dual Xeon[®] Scalable Processors Socket P with up to 22 cores per processor

1TB of DDR4 2633 MHz ECC main memory in 8 RDIMM/LRDIMM slots

Dual removable 2.5" mirrored system SSDs.

Eight-drive 3.5" removable data magazine supporting RAID 5 or 6 (up to 112TB using 14TB HDDs). MegaRAID Hardware RAID required

Optional integrated UPS supports global backup for up to 10 minutes.

Powered by 90 to 264VAC; 50/60Hz or 400Hz; or 28VDC (requires UPS).

700W high-efficiency power supply.

Quick Swap DVD/CD slot fed Blu-ray reader/writer.

Dual GbE networking with PCIe option for dual 10GbE networking

2 x USB 2.0; 2 x USB 3.0 on rear + Internal headers 2 x USB2.0 and 1 x USB3.0 Type A

Remote management network port (IPMI 2.0) with dedicated LAN.

2 PCI-E 3.0 x16, 3 PCI-E 3.0 x8, 2 PCI-E 3.0 x4 (in x8), 1 PCI-E 3.0 x4 (in x8)

RAID (MegaRAID 9361-8i) controller uses one PCI-E 3.0 x8 slot.

Integrated on-board graphics (2D).

Desert-proven air filtration system (front-to-back; filters all air).

Operating temperature 0°C to 50°C; non-operating temperature -40°C to 70°C.

Pelican 0340 roller transit case provides MILSTD 810G for water-tight, shock, and vibration-tolerant transportation.

Optional intergrated 13.3" 1920 x 1080 display and rugged keyboard.

MaxCube[®] shown in service position. Easy access to option slots, processors, and memory. Opens in less than one minute.

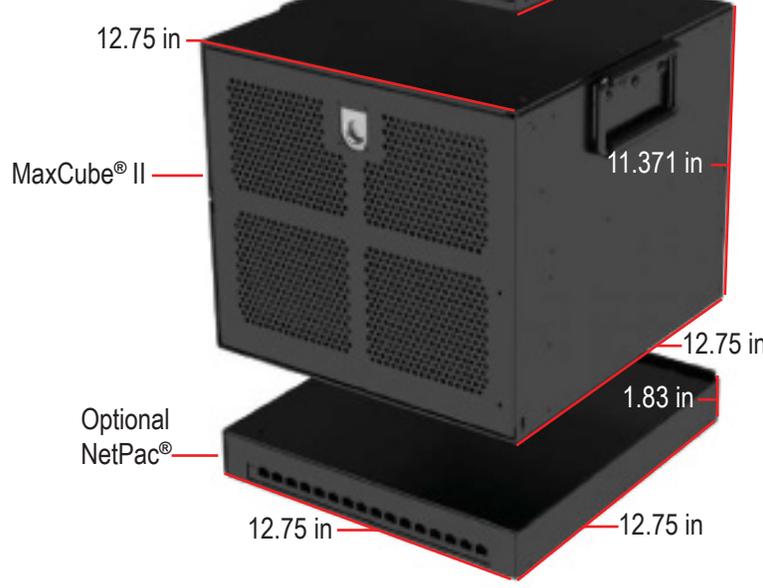
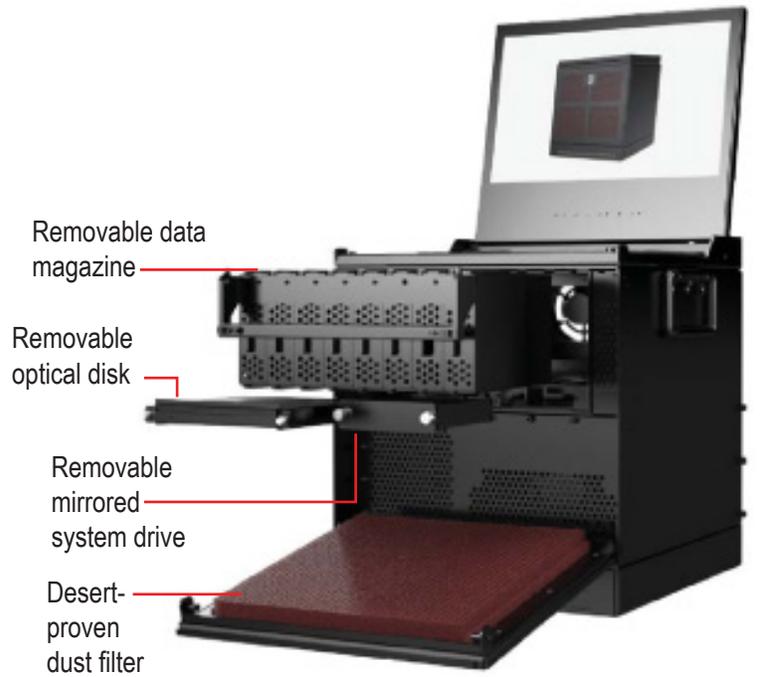


MaxCube® 8270

No other server on the market can boast the rich set of standard features; processing power; and tolerance to extreme dirt, dust, debris, and heat; all tightly integrated into a small space. Compared to a typical system that requires a 3U server chassis, 2U RAID chassis, 2U UPS, 2U slide-up display and keyboard, the MaxCube® II has more than a 4x advantage in physical size and weight alone. Furthermore, the basic MaxCube® 8260 weighs in at a little more than 40 pounds; thereby, making it easily manageable for one person.

The MaxCube® 8260 represents the ultimate in rugged, compact, state-of-the-art virtual machine servers. With dual Xeon® Scalable processors, each with up to 22 cores, the MaxCube® 8260 can support up to 44 processor cores and 88 threads of execution. Configured with the latest in RAID controllers supporting RAID 1, 5, 6, or 10, there is plenty of high reliability storage with streaming bandwidth in excess of 1GB/sec and superior IOPs. Mirrored SSD system drives provide excellent latency and read/write performance. Eight 3.5" HDDs, up to 14TB, provide the necessary bandwidth and can be configured as a single 8-drive removeable magazine, two 4-drive magazines, or four mirrored pairs.

If this is not enough, the MaxCube® can be supplemented with MaxVision®'s TeraPac® III mass storage expansion chassis, which adds up to eight 3.5" drives and can operate from the MaxCube® II's integrated UPS. The MaxCube-TeraPac combo provides up to 196TB of yielded RAID storage in a total 1.35 cubic feet of volume. Also note that the TeraPac® III can be used with another workstation or server to provide quick service swaps between machines.



MaxCube® 8270



The NetPac® is an optional attachment base that integrates a Cisco managed switch. **This makes the MaxCube® the most complete high-performance server on the GO!**

NETGEAR®
Connect with Innovation™



Shown right, the Pelican 0340 transit case with wheels attached. Wheels detach and can be stored inside the case when shipped by common carrier or freight.



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