MaxCube® II 8250
Rugged Deployable Server

MaxVision®'s MaxCube® II 8250 is one tough, reliable, ultra-compact, rugged, mobile, super server

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

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

SuperMicro X9DRL-iF, Dual 8 core Xeon® E5-2660 processors with 20M cache.

256GB of ECC main memory

Removable 2.5" mirrored system drives (HD or SSD).

8 drive removable data magazine supporting RAID 5 or 6 (32TB using 4TB HD).

Optional integrated UPS supports Global Backup for up to 10 minutes.

Powered by 90-264VAC 47-400Hz or 28VDC (requires UPS).

600W high efficiency power supply.

Choice of quick swap DVD or Blu-ray burner.

Dual GbE networking.

USB 2.0: 4 on rear I/O + 4 interal header ports. 1 Type A header internal

Remote Management network port.

6 available option slots: 3 PCIe 8.0 x 8(16), 1 PCIe 2.0 x 4(8), 1 PCIe x 1, one PCI.

Optional RAID controller uses one PCIe 2.0 x 4(8) slot.

Integrated on-board graphics.

Desert proven air filtration system, front to back, filters all air.

Operating termperature range 0°C - 50°C and non-operating temperature of -40°C to 70°C.

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

Optional intergrated 13.3" 1280 x 800 display and rugged keyboard.

MaxCube® II shown in service position. Easy access to option slots, processors, and memory. Opens in less than one minute
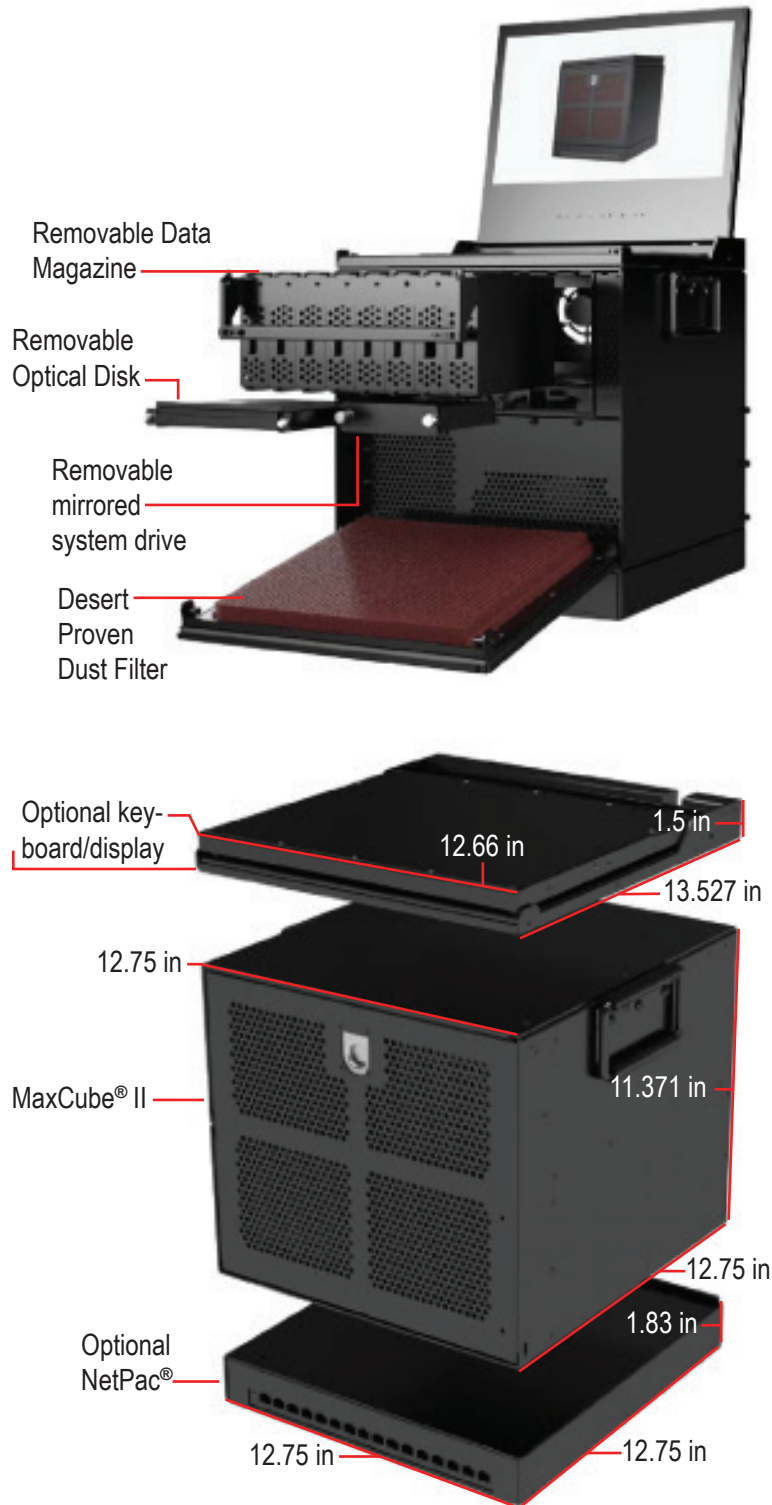
No other server on the market can boast of the rich set of standard features, processing power, and tolerance to extreme dirt, dust, debris, and heat, all tightly integrated into a small space. Compared to the typical system that requires a 3U Server Chassis, 2U Raid Chassis, 2U UPS, 2U slide-up display and keyboard; the MaxCube® has more than a 4x advantage in physical size and weight alone. The MaxCube® II weighs in at a bit more than 40 pounds, making it easily manageable for one person.

The MaxCube® II represents the ultimate in rugged compact state-of-the-art virtual machine servers. With Dual Xeon® E5-2660 processors, each with 8 cores and 20MB of cache, The MaxCube® II can support up to 16 processor cores operating up to 3.33GHz and up to 32 threads of execution. Typically configured with the latest in LSI RAID controller supporting RAID 1, 10, 5, or 6, there is plenty of high reliability storage with streaming bandwith in excess of 500MB/sec and superior IOPs. Mirrored SSD system drives provide excellent latency and read/write performance. Eight, 4TB HD provide the needed 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® II can be supplemented with MaxVision®'s TeraPac® III mass storage expansion chassis, which adds up to 8 drives (or equivalent) magazines, and can operate from the MaxCube® II's integrated UPS. This package provides 64TB of RAID storage in only 1.35 cubic feet of volume. Note, the TeraPac® III can also be used with another workstation or server to provide quick service swaps between servers.

Removable Data Magazine

Removable Optical Disk

Removable mirrored system drive

Desert Proven Dust Filter

Optional keyboard/display

1.5 in

12.66 in

13.527 in

12.75 in

11.371 in

MaxCube® II

12.75 in

1.83 in

Optional NetPac®

12.75 in

12.75 in

4.746 in

12.5 in

TeraPac® III Shown

10.655 in

MaxCube® II
8241

The **NetPac®** is an optional attachment base, which integrates a 16 GbE switch and a Cisco Security Appliance. **This makes the Max-Cube® II the most complete High Velocity Server on the GO!**

NETGEAR®
Connect with Innovation™

NETGEAR Prosafe 16 port
Gigabit Switch Model GS116

CISCO™

Cisco ASA 5505 Series
Adaptive Security Appliance