MaxVision® CyberPac8201®

RUGGED PORTABLE COMPUTERS LLC

The **CyberPac8201** is the most advanced server specifically designed for the mobile Cyber professional.

The **open flexibility and extremely compact size** that the CyberPac provides the user is perhaps the most important features. Married with your preference of hypervisor, operating systems, applications and PCIe option cards, this machine can be loaded for your mission and become the most **versatile cyber multi-tool** you own **without any compromise to the performance, memory and storage** required for the task ahead.
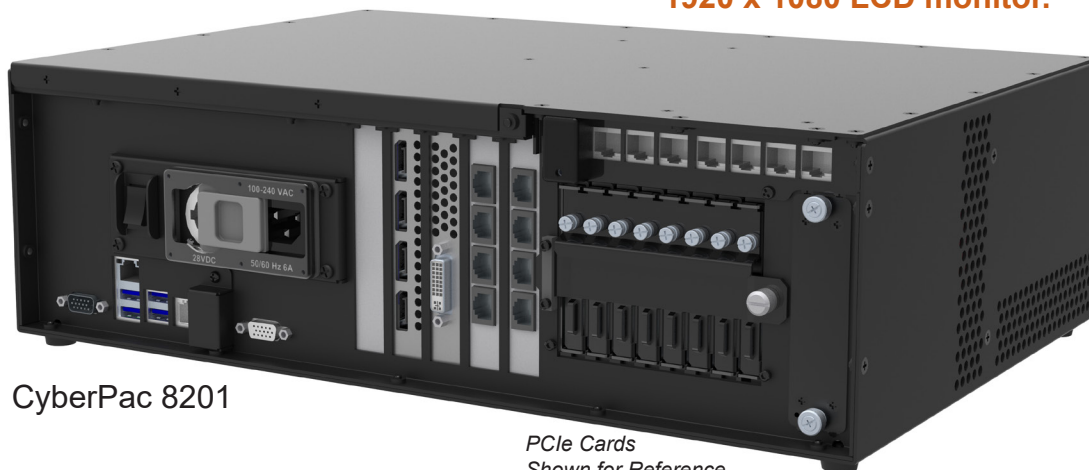
The CyberPac 8201 can fit in our optional **TSA compliant Rollaboard Luggage** that meets the 22"x14"x9" size limit.

The CyberPac8201 is shipped standard with a customized Pelican Air 1607 rolling transit case. Together the CyberPac & Transit case is less that the 50-pound total weight limit for standard checked baggage. If you are forced to gate check your CyberPac in its Rollaboard case, or if you plan to do checked baggage in the Pelican roller case, we have a much smaller Pelican 1300 SSD transit case so you can unload and hand carry on board all the removable SSDs.

You need not worry about running the CyberPac in a hot server room. Full performance operation of all cores at 40C (104F) is assured.
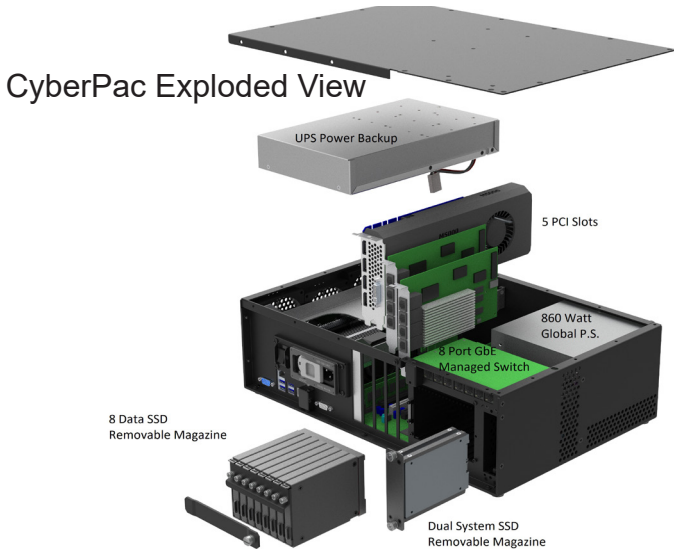
CyberPac 8201 Key Features:

- **Up to 44 Xeon Cores and 88 Threads**
- **Up to 1TB of DDR4 ECC main memory**
- **Up to 60TB of removable data RAID storage magazine holding 8 drives.**
- **Separate dual removable SSD system drives magazine**
- **5 open PCIe slots for add-in cards**
- **Supports 90-264VAC 50/60Hz Power**
- **Supports 28VDC Power**
- **Integrated 10-minute power backup UPS. United Nations certified 85Whr LiFePO4 battery. (Meets international carry-on)**
- **Integrated 8 port 1GbE Netgear web managed switch (Layer 2.5)**
- **Weighs only 28 pounds**
- **Size: 17.6" x 11.8" x 5.25" (only .63 cu ft)**
- **Optional TSA Rollaboard Luggage, fits in**
- **overhead bin. (22"x14"x9")**
- **Standard Pelican Air Roller Hard Case for checked baggage and meets the 50 pounds weight limit. (MIL STD 810G)**
- **Optional Pelican 1300 SSD carry case**
- **Optional integrated keyboard and flip-up 18.5" 1920 x 1080 LCD monitor.**

CyberPac 8201

*PCIe Cards
Shown for Reference*

CyberPac Exploded View

UPS Power Backup

5 PCI Slots

860 Watt Global P.S.

8 Port GbE Managed Switch

8 Data SSD Removable Magazine

Dual System SSD Removable Magazine

CyberPac shown with optional 18.5" display and keyboard/touchpad

CyberPac with optional display closed

Small Pelican 1300 for carrying removable SSDs.

Rollaboard luggage provides light weight protection and allows equipment to travel on board the aircraft.

The Pelican Air 1607 provides the ideal hardcase for checked baggage and meets the 50-pound limit.

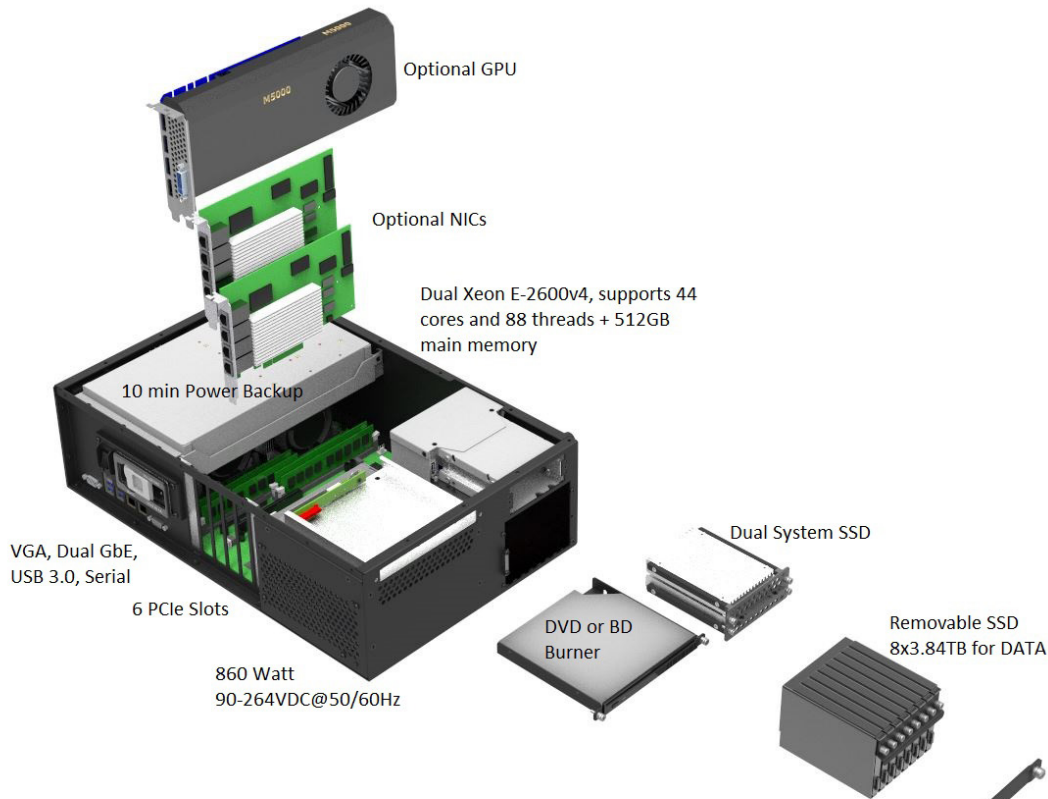|	
Dual Processor	Any member of the Intel Xeon E5-2600v4 family, including popular choices of E5-2699Av4(22C/2.4-3.6GHz) and the E5-2697Av4(16C/2.3-3.6GHz). Core counts up to 22 per processor and clock rates up to 3.6GHz possible. See https://ark.intel.com/products/series/91287/Intel-Xeon-Processor-E5-v4-Family for details.
Motherboard	Supermicro X10DRL, ATX size, Integrated Dual NICs
Expansion	Five PCIe Slots: 3 PCIe 3.0 x 8, 1 PCIe 3.0 x 16, 1 PCIe 3.0 x 4 (in x8)
Memory	Up to 1TB of registered DDR4 2400GHz ECC main memory. 8 DIMM sockets
SSDs	Two removable SSD magazines: System magazine supports two SSDs (mirror or JBOD); Data magazine supports 8 SSDs. High performance RAID 5/6 or Raid 10 (Requires optional H/W Raid controller) Enterprise SSD drives sizes of 480GB, 960GB,1.92TB, 3.84TB and 7.68TB in 7mm sizes. Enquire for 15mm thick drives.
Managed Network Switch	Choice of repackaged 8 port GbE Netgear GS108PE with four POE ports or 8 port GbE Netgear GS108E without POE.
Power Supply	860 Watt Global Power Supply (90-264VAC@50/60Hz).
UPS	85 W-hr. integrated UPS provides typical up times of more than 10 mins. Also supports external 28VDC for operation from vehicle power.
Size/Weight	17.6" x 11.8" x 5.25". Less than 28 pounds in a maximum configuration. With rollaboard case, less than 37 pounds. With single smaller Pelican Air case <50 pounds.

The MaxVision CyberPac 8200 is designed for *Cyber Incident Response Professionals*, educators, and those needing high-density light-weight servers. It is a high-density high-performance Dual E5-2600v4 Xeon server which can be transported in our custom foam-padded *TSA compliant Rollaboard Luggage* that meets the 22" x 14" x 9" size.   It features up to 44 cores and 88 threads of Xeon processing, up to 512GB of registered ECC memory, 10 removable SSDs up to 3.84TB each, 6 PCIe slots, integrated UPS (power backup) keeping the unit battery powered for up to 10 minutes, and your choice of a BD or DVD burner.   Best of all, the unit is extremely compact 18.8" x 11.8" x 5.25" and weighs less than 28 pounds including the 6 pound UPS.

Cyber-defense teams have different tools and configurations requiring different virtual machine resources, as well as different PCIe cards. Regardless of your requirement, CyberPac can be configured to fit your needs.

You need not worry about running the CyberPac in a hot server room. With our push/pull cooling system, full performance operation of all cores at 40C is assured.

Optional GPU

Optional NICs

Dual Xeon E-2600v4, supports 44 cores and 88 threads + 512GB main memory

10 min Power Backup

VGA, Dual GbE, USB 3.0, Serial

6 PCIe Slots

860 Watt 90-264VDC@50/60Hz

Dual System SSD

DVD or BD Burner

Removable SSD 8x3.84TB for DATA

Processor	Dual Xeon E5-2699v4 or similar processors @ 145 watts each allow a total of 44 cores and 88 threads
Memory	Up to 512GB of registered DDR ECC main memory. 8 DIMM sockets
Motherboard	Supermicro X10DRL, ATX size, Integrated Dual NICs
Expansion	Six PCIe Slots: 3 PCIe 3.0 x 8, 1 PCIe 3.0 x 16, 1 PCIe 3.0 x 4 (in x8), 1 PCIe 2.0 x 4 (in x8)
SSDs	Two removable SSD magazines: System magazine supports two SSDs (mirror or JBOD); Data magazine supports 8 SSD (for RAID 5 or JBOD)
Optical	Choice of Optical DVD or BD Burner
Power Supply	860 Watt Global Power Supply (90-264VAC@50/60Hz)
UPS	90 W-hr. integrated UPS provides typical up times of more than 10 mins. Also supports external 28VDC for operation from vehicle power.
Size/Weight	18.8" x 11.8" x5.25". Less than 28 pounds in a maximum configuration. With rollaboard case, less than 40 pounds. With Pelican less than 70 pounds.