

# MaxPac<sup>®</sup> ML

Our most compact triple screen rugged workstation workhorse.



The MaxPac<sup>®</sup> ML is the smallest member of the MaxVision<sup>®</sup> triple screen Full HD Rugged Portable Workstations. The MaxPac<sup>®</sup> 8000ML single Xeon version and the MaxPac<sup>®</sup> 8200ML dual Xeon version use different motherboards, but mechanically the same size and features. The single and dual processor Xeon offering provide a maximum of 256GB of memory, up to eight 2.5" data drives managed in a single removable HDPac<sup>®</sup> magazine, two 2.5" system drives in a separate single drive magazine and choice of single, dual, or triple 17.3" full HD resolution (1920 x 1080) LCD displays, which fold into a minimum space. Up to seven 9" PCIe option slots are provided. A wide choice of nVidia graphics options is available.

The MaxPac<sup>®</sup> ML is the ideal choice for those wanting many of the features of the MaxPac<sup>®</sup> SL, but with a smaller form factor and more manageable weight.

Popular applications include Geospatial exploitation, UAV mission management, multi-stream HD Video capture/view/edit, high bandwidth data capture, and every application of C4ISR. Streaming bandwidth recording over 1GB/Sec can be achieved using 8 SSD data drives and option Raid controller.

**MaxPac<sup>®</sup> ML 8000ML 8200ML**

<b>Processor/Motherboard</b>	Intel Xeon E5-1650 processor clocked up to 3.8GHz, SuperMicro X9SRL (E5-1660 optional).	Dual Intel Xeon E5-2660 processor clocked up to 3.0GHz, (8 Core/16Thread 20MB cache per processor). SuperMicro X9-DRL Motherboard.
<b>Memory</b>	Up to 64GB DDR3 1600 MHz ECC unbuffered or 256GB Registered Memory.	
<b>LCD Display Size</b>	Single, dual or triple 17.3" 1920 x 1080 LCD (LED backlit).	
<b>LCD Monitor Specifications</b>	Brightness: 250mcd/m <sup>2</sup> , Viewing Angle: 70/160; Contrast Ratio: (1000:1) Response Time: 5ms; 16.7 million colors.	
<b>Video Controller Options</b>	nVidia K2000, K4000, K5000, GTX650ti, GTX660ti, (others by request).	
<b>Std I/O Interface</b>	Dual Gigabit Ethernet Ports, 4x USB 2.0 external, 4x USB 2.0 internal headers, PS/2 keyboard/mouse ports, COM port external, basic Matrox VGA (not typically used).	
<b>Expansion Slots</b>	Two PCI-E 3.0 x8 (in x16), Two PCI-E 3.0 x4 (in x8), one PCI-E 2.0 x4 (in x8). All slots full length full height.	Three PCI-E 3.0 x8 (with open back to support graphics card on first slot), one PCI-E 2.0 x4 (in x8 connector), One PCI-E 2.0 x1. One PCI legacy slot. All slots 10.5" length full height.
<b>Removable Hard Drive Magazines</b>	HDPac 8 drive 2.5" HDD or SSD magazine allows removal data drives without tools in less than 10 seconds. In an alternated configuration up to four SAS drives can be installed in the removable data drive magazine. Dual 2.5" system drive magazine supports single or mirrored drives.	
<b>Hard Drive Capacity and Performance</b>	In the eight data drive SATA configuration, eight 9.5mm SATA drives can support 8 x 1TB Hybrid HD or 8 x 800GB SSD. (SSD sizes from 80GB to 800GB using Intel S3500/3700) In the four data drive SAS configuration, four 15mm 2.5" SAS drive @ up to 900GB each	
<b>Hard Drive Interface</b>	SATA 6.0 supporting software RAID 0, 1, 5, 10 or hardware RAID 0, 1, 5, 6, 10 (optional).	
<b>Optical Drive Options</b>	SATA slim line slot loading DVD/CD writer or SATA slim line slot load Blu-ray writer.	
<b>Power Supply</b>	600 Watts 90-264VAC 50/60Hz and 400Hz.	
<b>Keyboard/Mouse</b>	Microsoft 600 keyboard (USB) Logitech m110 mouse (USB or PS2).	
<b>Software OS</b>	Windows 7 Pro or Ultimate, Windows 2008 Server, Red Hat & SUSE Linux.	
<b>Size Closed</b>	Single display 17"W x 14.6"H x 7.2"D; Dual display 17"W x 17.6"H x 8.3"D; Triple display 2017"W x 14.6"H x 9.4"D.	
<b>Size Setup (displays unfolded)</b>	Single display 17"W x 14.6"H x 7.2"D; Dual display 32.1"W x 14.6"H x 8.3"D; Triple display 47.6"W x 14.6"H x 9.4"D.	
<b>Environmental</b>	Environmental: 0°C to 50°C/10% to 90% relative humidity (non-condensing) operating in dirty air conditions, FCC Class A. When stored in the provided transit case, the product can withstand MIL STD 810G -40°C to 70°C storage temperature, blowing rain, salt fog, sand, dust, vibration for two wheel trailer and drops from 30".	
<b>Regulation</b>	FCC Class A, CE.	
<b>Transit Case</b>	Custom watertight Roller Case (also stores keyboard, mouse and cables).	
<b>Computer Weight</b>	Single display approximately 41lbs (w/ case 74lbs); Dual display approximately 48lbs (w/ case 82 lbs); Triple display approximately 55 lbs (w/ case 90lbs).	

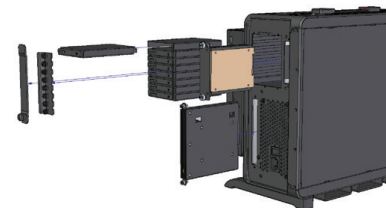
Rich standard I/O and up to seven PCIe slots provide the flexibility to configure the ML data capture cards.



Operates between 0 to 50°C and 10 to 90% relative humidity (non-condensing) in dirty air environments.



Removable mass storage supports eight removable 2.5" data disks and a pair of removable system disk. The DVD is also quick swap as shown below.



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