

**EXTREME RUGGED  
PORTABLE COMPUTING**



**MaxVision®**



## **MAXPAC® S CLASS**

**The highest performance compact rugged workstation available today.**

Compact Rugged Portable Computer Workstation – Ideal for the most intensive 'in-the-field' CPU and graphics processing requirements including geospatial analysis, industrial / energy applications, HD video streaming, and engineering / design / animation disciplines. The MaxPac S class is a contender among the ultimate lightweight configuration for geospatial power hungry applications



## **MAXPAC® X CLASS**

**Proven the world over and deployed in the harshest of environments.**

Rugged Portable Briefcase Computer Workstation – The MaxPac X Class is designed for the highest performance applications needing one, two or three large 20.1" displays operating in extreme conditions (e.g., heavy dust, high heat industrial plants). The use of multiple displays make this workstation ideal for geospatial applications. These are the most powerful, portable rugged workstations in the industry. Every X Class product uses MaxVision's 'desert proven' air filtration system, box-in-box shock isolation chassis and unique airflow designs to support operating in 0 - 50° C temperature range. Our patented power subsystem supports the widest range of AC power conditions and provides an optional Uninterruptable Power System (UPS) that eliminates abrupt power outages and handles dirty power from generators or unreliable grids.



# MAXPAC<sup>®</sup> X CLASS



Rugged FULL-IMPACT shock/vibration isolation chassis with custom K&N Filter system.



Feature rich I/O and multiple expansion card slots allows for maximum connectivity and utility.



Up to 4 x 3.5" hard disks configured in our patented HDPac™4 Removable drive array allows for quick easy exchange and transport of mission critical data.



Customized Rugged Transit Case provides added protection and easy storage/transportation of the unit and its accessories. Most are rated to IP-67 and Mil-STD 810G

	MaxPac@8241XRA1	MaxPac@8241XRA2	MaxPac@8241XRA3
	Single 20.1" Display	Dual 20.1" Display	Triple 20.1" Display
<b>Processor/ Motherboard</b>	Dual Intel® Xeon® Processors (Quad Core or Six Core 5600), Supermicro X8DAL-i Dual Intel® Xeon® 5500/5600 series CPU three DDR3 per CPU		
<b>Memory</b>	6 DIMM slots DDR3-1066MHz up to 48GB UNBUFFERED ECC Max	6 DIMM slots DDR3-1066MHz up to 48GB UNBUFFERED ECC Max	6 DIMM slots DDR3-1066MHz up to 48GB UNBUFFERED ECC Max
<b>LCD Display Size</b>	Single 20.1" 1600 x 1200	Dual 20.1" 1600 x 1200	Triple 20.1" 1600 x 1200
<b>LCD Monitor Specifications</b>	250nits min luminance, 178°/178° viewing angle, 16ms switching speed, contrast ratio 500:1, 16.7M colors with 72% color saturation with Display Port interface, Resolutions supported: 1600 x 1200; 1280 x 1024; 1152 x 900; 1024 x 768; 800 x 600. AR panel option available for enhanced outdoor readability		
<b>Video Controller Options</b>	Choice of nVidia Quadro FX1800 or FX3800 / Quadro 2000 or 4000 single slot. Other graphics offering upon request subject to certification	Requires two display controllers. Choose from nVidia (Quadro FX1800, FX3800) or for more performance (Quadro 4000 or 2000)	
<b>Std I/O Interfaces</b>	Dual 1Gbit Ethernet, 2 Internal Firewire 1394, 7.1 HD Audio, 8 USB 2.0 external, 2 USB 2.0 Headers plus 2 USB 2.0 internal		
<b>PCI Expansion slots</b>	PCIe 2.0 x16 for first graphics card. PCIe 2.0 x 4 (x16 mechanical) for second graphics cards or other option cards., PCel 2.0 x4 (x8 mechanical), two legacy PCI slots.		
<b>Hard Drive</b>	Choice of four SATA hard drives available in common sizes of 500GB@7200rpm, 1TB@7200rpm, 2TB@7200rpm and 3TB@7200rpm. Optional SSD configuration available (call for quotation)		
<b>Hard Drive Interfaces</b>	4 SATA 300 ports on motherboard for JBOD interface, Choice of 8 channel or 16 channel (supports external TeraPac disk expansion)		
<b>Optical Drive</b>	Choice of SATA SlimLine Slot Loading DVD/CD Writer or SATA SlimLine Slot Loading Blu-Ray Writer		
<b>Video Projector Ports</b>	Unused external video port for projector open on single and triple display configurations. Dual display configurations will require a second video card for video projector support.		
<b>Power Supply</b>	950 Watt 90-264VAC 50/60Hz 115VAC@400Hz, Optional integrated UPS with support for external 28VDC		
<b>Software OS</b>	Windows XP SP2, Windows XP 64bit, Windows 2003 Server, Windows 2003 Enterprise Linux: Redhat Enterprise Linux 5, SuSE 9.0, Solaris 10		
<b>Size Closed</b>	20.5"W x 16"H x 7.2"D	20.5"W x 16"H x 9.2"D	19"W x 16"H x 10.8"D
<b>Size Setup (displays unfolded)</b>	20.5"W x 16"H x 7.2"D	36"W x 16"H x 9"D	53"W x 16"H x 9"D
<b>Environmental</b>	0-50°C operating temperature; 10-90% relative humidity non-condensing; exceeds Mil Std 810F Hot Operating Temperature cycle test; -20 to 70°C non operating		
<b>Regulation</b>	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE
<b>Transit Case</b>	Custom Explorer water-tight roller case stores Keyboard, mouse and cords	Custom Explorer water-tight roller case stores keyboard, mouse and cords. Meets Mil Std 810F vibration	Custom Explorer water-tight roller case stores keyboard, mouse and cords. Meets Mil Std 810F vibration
<b>Weight</b>	Maximum weight with Hard Drive Magazine 54LBS	Maximum weight with Hard Drive Magazine 65LBS	Maximum weight with Hard Drive Magazine 77LBS
<b>Total Weight of Computer &amp; Accessories with Transit Case</b>	Maximum weight with Hard Drive Magazine 87LBS (ADD 5 lbs. for UPS option)	Maximum weight with Hard Drive Magazine 98LBS (ADD 5 lbs. for UPS option)	Maximum weight with Hard Drive Magazine 110LBS (ADD 5 lbs. for UPS option)



# MAXPAC<sup>®</sup> S CLASS



Rugged FULL-IMPACT shock/vibration isolation chassis with custom K&N Filter system.



Feature rich I/O and multiple expansion card slots allows for maximum connectivity and utility.



Removable 3.5" or 2.5" system HD or SSD Data Drives choice:

1. Two 3.5" removable drives. Up to 4TB of removable storage.
2. Eight 2.5" removable magazine (8 x 500GB HD Up to 4TB or 8 x 256GB SSD Up to 2TB)



Customized Rugged Transit Case provides added protection and easy storage/transportation of the unit and its accessories.

	MaxPac@8040SRA	MaxPac@8041SRA
	Single or Dual External Display	
<b>Processor/ Motherboard</b>	Intel Xeon 5500 & 5600 Series Up to 3.2GHZ, SUPERMICRO X8SAX ATX LGA1366 Up to 6.4GT QPI	
<b>Memory</b>	6 DIMM slots DDR3-1066MHz 24GB UNBUFFERED ECC Max	
<b>LCD Display Size</b>	Single or Dual 19" 1280 x 1024	Single or Dual 21.5" 1920 x 1080
<b>LCD Monitor Specifications</b>	250nits min luminance, 178°/178° viewing angle, 16ms switching speed, contrast ratio 500:1, 16.7M colors with 72% color saturation with Display Port interface. Maximum resolution supported: 1280x1024	300nits min luminance, 170°/160° viewing angle, 5ms switching speed, contrast ratio 1000:1, 16.7M colors with 72% color saturation with Display Port interface. Maximum resolution supported: 1920x1080
<b>Video Controller Options</b>	Choice of nVidia Quadro FX1800 or FX3800 / Quadro 2000 or 4000 single slot. Other graphics offering upon request subject to certification	
<b>Std I/O Interfaces</b>	Dual 1Gbit Ethernet, 2 Internal Firewire 1394, 7.1 HD Audio, 8 USB 2.0 external, 2 USB 2.0 Headers plus 2 USB 2.0 internal	
<b>PCI Expansion slots</b>	2 PCIe X16 Gen2; 1 PCIe X8 Gen2; 2 PCI-X	
<b>Hard Drive</b>	Removable 3.5" or 2.5" system HD or SSD Data Drives choice: 1. Two 3.5" removable drives. Up to 4TB of removable storage. 2. Eight 2.5" removable magazine (8 x 500GB HD Up to 4TB or 8 x 256GB SSD Up to 2TB)	
<b>Hard Drive Interfaces</b>	4 SATA 300 ports on motherboard for JBOD interface, 4 Port SATA RAID controller requires 1 PCI-X slot or one PCIe slot	
<b>Optical Drive</b>	Choice of SATA SlimLine Slot Loading DVD/CD Writer or SATA SlimLine Slot Loading Blu-Ray Writer	
<b>Video Projector Ports</b>	Unused external video port available only on video card on Single Screen models.	
<b>Power Supply</b>	650Watt 90-264VAC 50/60Hz 115VAC@400Hz	
<b>Software OS</b>	Windows XP, Windows 7 Pro, Windows 2008 Server	
<b>Size Closed</b>	19"W x 16"H x 7.2"D	22"W x 16"H x 9.2"D
<b>Size Setup (displays unfolded)</b>	33"W x 16"H x 7.2"D	41"W x 16"H x 9"D
<b>Environmental</b>	FCC Class B, CE, RoHS Compliant	
<b>Regulation</b>	FCC Class A, CE	FCC Class A, CE
<b>Transit Case</b>	Custom Pelican™ 1620 water-tight roller case stores keyboard, mouse and cords. Meets Mil Std 810F vibration	Custom Explorer™ 5833 water-tight roller case stores keyboard, mouse and cords. Meets Mil Std 810F vibration
<b>Weight</b>	38 lbs/48lbs.	40 lbs/50lbs.
<b>Total Weight of Computer &amp; Accessories with Transit Case</b>	59 lbs/69lbs.	60 lbs/70lbs.

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