

# MesaMax<sup>®</sup> 8240

Water-Proof Rugged Workstation



## The MesaMax<sup>®</sup> 8240 is the ultimate in ruggedization.

The MesaMax<sup>®</sup> 8240 is a totally sealed dual processor workstation. It houses Xeon<sup>®</sup> 5600 processors, up to 96GB of main memory, dual 22" displays, and supports three removable 1.2TB SSD magazines (3.6TB total). High performance nVidia Quadro FX1800 graphics drives the displays.



**MaxVision**<sup>®</sup>  
RUGGED PORTABLE COMPUTERS LLC

**MesaMax**<sup>®</sup>  
8240

## MesaMax<sup>®</sup> 8240

<b>Motherboard/Processor</b>	Dual Intel Xeon 5600, Supermicro X8DTL-6F Motherboard.
<b>Memory</b>	Up to 48GB DDR3 single processor and up to 96GB dual processor.
<b>Graphics Card</b>	nVidia Quadro FX1800.
<b>LCD Display Size/Monitor</b>	Dual 22" 1680 x 1050   High Bright 1000nits/AR/AG.
<b>Std I/O Interfaces</b>	Four USB 2.0, two GbE, DB9, Audio connector, MIL-STD 38999 connectors.
<b>PCI Expansion Slots</b>	Single 2.5" SATA drive for use with HD or SSD, up to 750GB HD and 600GB SSD.
<b>Removable Drive Magazine</b>	Up to 12 removable 1.8" SSD, 300GB per drive for a total of 3.6TB. Organized into three, 4-drive magazines sealed behind a sealed door that can be opened without tools.
<b>Power Supply</b>	600 watt Global 90 to 132 VAC @ 50 to 400Hz.
<b>Software OS</b>	Windows 7 Pro, Windows 2008 Server, Linux: Redhat Enterprise Linux 5
<b>Transit Case</b>	Customized Rugged Transit Case, provides added protection and easy storage/transportation of the unit and its accessories. Most are rated IP-67 and MIL-STD 810G.
<b>Environment</b>	<p><b>Temperature:</b> -32°C to 63°C (operating), -33 to 71°C (storage).</p> <p><b>-32°C Boot-Up:</b> 20 min warm up cycle, preceding booting into the OS</p> <p><b>Relative Humidity:</b> 100% (operating).</p> <p><b>Ice:</b> Ice load of 1.5g/cm<sup>2</sup>.</p> <p><b>Ozone:</b> Operates w/out degradation in 1.37 x 8-10 lb/ft<sup>3</sup> (220 x 3-10 kg/m<sup>3</sup>).</p> <p><b>Solar Radiation:</b> Operating 1120 watts/m<sup>2</sup> at 71°C.</p> <p><b>Altitude:</b> 10,650 ft (operating), 35,000 ft (storage).</p> <p><b>Atmospheric Pressure:</b> 20.05 in to 31.9 in of mercury (operating).</p> <p><b>Rapid Decompression:</b> Pressure change corresponding to altitude change of 8000ft-35000ft in 30 sec.</p> <p><b>Rain:</b> 2 cm/hr (operating), tolerates 35 knot winds for 30 min with 5min 40 knot gusts with rainfall intensities at 5 cm/hr (storage, outside case).</p> <p><b>Wind:</b> 25 knots (operating).</p> <p><b>Drop:</b> 26 drops at 48in, which is one drop per side, edge, and corner (storage).</p> <p><b>Half Sine Shock:</b> Three 40G 11ms sawtooth pulses in each direction of each orthogonal axis for a total of 6 shocks per axis and repeated twice for a total of 18 shocks (storage).</p> <p><b>Vibration:</b> MIL-STD 810G Method 514.6, composite two-wheeled trailer profile (storage).</p> <p><b>Salt-Fog:</b> 48 hour exposure with 5% concentration of salt (operating).</p> <p><b>Sand/Dust:</b> Blowing dust and sand (storage).</p> <p><b>Radiated Emissions:</b> MIL STD 461F, RE102 for ground equipment (operating).</p> <p><b>Fungus:</b> Rating of parts varies 1-2 per MIL STD-810F method 508.6 (operating/storage).</p> <p><b>Personnel ESD:</b> PESD requirement for discharge path of personnel, 25,000 +/- volts, 250 +/- 5% picofarads, and 500 +/- 5% ohms (operating).</p>

Rugged fully sealed machined aluminum chassis, that provides extreme protection from the harshest conditions.



Up to 12 removable 1.8" SSD. 300GB per drive, for a total of 3.6TB. Organized into three 4-drive magazines.



Rugged Fully Sealed, IP65 -32°C to 60°C with solar load.



Fully Accessible-Waterproof USB ports and removable Hard Drive Array.



While Rugged Portable Computers LLC uses reasonable effort to assure that this information is accurate and up-to-date, the information may contain factual or typographical errors. Rugged Portable Computers LLC makes no warranties or representation as to the accuracy of such information. The information and products may be changed at any time with our prior notification or obligation. Rugged Portable Computers LLC © Copyright 2013