

## MaxPac® **M** Class Workstations



POWERED BY



MaxVision's MaxPac® **M** Class has become a standard workhorse for commercial and some military applications where robust portable large LCD display workstations are needed. Based on the G965 chipset and the latest Core™ 2 Duo dual core Intel® Processor, the MaxPac® **M** Class can support up to 8GB of main memory and up to 2TB fixed or removable hard disk. Depending on the model you select, the 17" LCD display can be driven from the on-board G965 video controller (MaxPac®**8080M**) or from your choice of nVidia® PCIe video controller (MaxPac®**8090M**).

The MaxPac® **M** Class is an all aluminum briefcase chassis featuring a Box-in-Box™ shock isolation system. All computer components are packed in an inner chassis which rides in a Poron® cradle isolating it completely from the outer aluminum briefcase. An integrated accessory pack carries the keyboard, mouse and cables. The complete briefcase can be carried on-

board most commercial aircraft or placed in the optional Pelican® transit roller case as checked baggage or freight.

The integrated 300 watt power supply provides more than enough power to supply the fastest Core™ 2 Duo processor, 17" display, two SATA hard disks and two option slots. The MaxPac® **M** Class can operate from any known AC power, including 90VAC – 264VAC 50/60Hz as well as 115VAC@400Hz which is important while installed on aircraft. The **M** Class is exceptionally quiet but can operate from 0°C to 40°C and from 10% to 90% relative humidity. In fact, all fans are dual redundant allowing continued operation in the event of a fan failure. Inside the custom Pelican® transit case, the **M** Class can withstand -20°C to 70°C, dust, driving rain, drops of up to 2 feet and even a dip in the pool (it floats). Although designed as a commercial off the shelf product, the MaxPac® **M** Class can satisfy many military applications.

MaxPac® **M** Class common features for all models:

- Core™ 2 Duo dual core processor
- Up to 8GB of DDR2 memory (4 DIMM sockets)
- GbE 1000/100/10Mbit Ethernet
- Firewire 400
- 6 USB external USB ports
- Integrated audio with speakers. Microphone, line-in and external speaker jacks.
- Two option slots. Can be configured as two PCI slots or one PCI and one PCIe x 16 slot.
- 17" LCD Samsung panel with 178° horizontal and vertical viewing angles, with 250nits brightness. Fast switching speeds 8ms.
- Projector support
- 300watt global full range supply
- Box-in-Box™ shock isolation aluminum briefcase chassis.
- 0-15° tilt foot
- Dual redundant cooling fans, quiet running.
- Optional Pelican® transit roller case.
- Two 3.5" SATA hard disks, up to 2TB. Can be configured as fixed or removable
- DVD double layer burner, slim type

Special features of MaxPac®**8080M**:

- Two open slots, can be configured as either two PCI slots or one PCI and one PCIe x 16
- Graphics supplied by on-board G965 controller.
- Supports one full length PCI card if only one fixed hard drive is used, otherwise card length is 9"

Special features from MaxPac®**8090M**:

- One open PCI slot (full height, 9" length.
- Choice of PCIe nVidia® high performance video controller card.

## MaxPac<sup>®</sup> M Class Model Matrix



MaxPac<sup>®</sup> M Class can be configured with two removable 3.5" SATA hard disks for up to 2TB of storage.



Box-in-Box™ shock isolation aluminum briefcase chassis along with accessory pack delivers the complete package for deployment.



MaxPac<sup>®</sup> M Class have optional air/water-tight Pelican<sup>®</sup> roller cases for transit and freight protection.

MaxVision has designed the transit case to minimize both vibration and shock allowing it to be dropped from 24" without damage.

	MaxPac <sup>®</sup> 8080M	MaxPac <sup>®</sup> 8090M
<b>Processor Motherboard</b>	Intel Core <sup>®</sup> 2 Duo/G965	Intel Core <sup>®</sup> 2 Duo/G965
<b>Memory</b>	Up to 8GB DDR2	
<b>LCD Size</b>	17" 1280 x 1024	
<b>LCD Specifications</b>	180°H/180°V viewing angle, 250 nits, 1500:1 contrast ratio 16.7M colors, 8ms response time	
<b>Video Interface</b>	VGA	DVI-D
<b>Video Controller Options</b>	Integrated G965 video controller	nVidia <sup>®</sup> Quadra FX1700 and FX3700, others by request
<b>Std I/O Interfaces</b>	GbE, 6 USB2.0, Firewire 400, Dolby 5.1 audio/mini speakers, parallel port	
<b>PCI Expansion Slots</b>	Two PCI 32bit Optionally one PCI and one PClex16	One PCI and one PClex16
<b>PCI Slot Lengths</b>	9"	9"
<b>Removable Hard Drives</b>	Optional	Optional
<b>Full Length Slots</b>	Limited to top slot with one fixed HD	none
<b>Video Projector Ports</b>	yes	Second port of video controller
<b>Power Supply</b>	300 watt, full global 90 - 264VAC 50/60Hz, 47 – 400Hz	
<b>Software OS</b>	Windows XP Pro, Pro 64, Red Hat Linux	
<b>Size Closed</b>	19"W x 16"H x 6.25"D	
<b>Size Open</b>	19"W x 16"H x 8"D	
<b>Environmental</b>	0° - 40°C 10-90% Rel. humidity	
<b>Regulations</b>	FCC Class A, CE, UL	
<b>Transit Case</b>	Pelican <sup>®</sup> 1610 with custom polyethylene foam	
<b>Weight</b>	28-30 pounds	
<b>Total Weight of Computer with Transit Case</b>	47- 50 pounds	