

MaxPac[®] S Class: Rugged Portable Computer Workstation



MaxPac[®]8020SRA2
Dual Display

The MaxPac[®]8020SRA is the third generation of the MaxPac[®] S Class family of rugged portable workstations. Designed initially for the USMC TEG and the SOCOM Socrates and Taclan programs, variations of this product have found their way into use by ESPN for HD sport broadcast as well as the US Customs and US Army's biometrics programs. The S Class provides a choice of single or dual 19" displays and choice of Core2Duo or Core2Quad Intel processors. It provides a smaller, lighter weight alternative to the MaxPac[®] X Class where dual display options are needed.

The MaxPac[®] S Class display technology has NO compromises. The small package supports the latest and best 19" LCD technology on the market and are unlike other portables which use notebook displays. The single or dual 19" Samsung 1280 x 1024 display supports an incredible $\pm 90^\circ$ viewing angles from top/bottom and left/right, allowing anyone that can see the display to get an undistorted view. As important, this LCD supports an amazing 1500:1 contrast ratio and an extremely fast 8ms switching time making all dynamic movement smear-free. MaxPac[®] S Class supports the latest full range of video card technology such as the NVIDIA Quadro Series including the latest nVidia Quadro FX4600, FX3700 and FX1700. Two removable SATA hard disks can be configured to support up to 2TB of integrated storage.



MaxPac[®]8020SRA is Perfectly Balanced

MaxPac[®]8020SRA has all the extras, such as dual 1Gbit Ethernet, six USB2.0, Firewire (IEEE1394a), audio/speakers, and choice of the latest double layer DVD or Bluray burner. The MaxPac[®]8020SRA family provides the latest X38 chipset and supports a full complement of PCIe x16 option slots, one of which is used for the users choice of graphics. Alternatively, up to two PCI slots can be supported.

MaxPac[®] S Class is COTS tough. Although technically a commercial off-the-shelf machine, the MaxPac[®]8030SRA is designed to meet the Mil Std 810F for HOT operating conditions, is rated for 0-50°C continuous operating, and meets selected transit tests such as loose cargo and helicopter vibration. Inquire for more details. Military users who have been to the Middle East know of the small particle dust that gets into every part of their computer. This fouls up internal components and requires frequent cleaning. MaxVision calls this "Baghdad dirt". MaxVision has created the 'Desert Proven' Filter technology which has nearly no back pressure but catches nearly all (greater than 99%) of the small particles. This filter can be washed and reused. With other filter technology, you would have to replace it every day or two. With other filter technology, your temperature begins to rise within a few days as the filter begins to load with dirt. With the 'Desert Proven', you wash it and recharge it every month or two. In less stressful environments, the filter requires cleaning every year or two. You can replace the filter without tools while the unit is running.

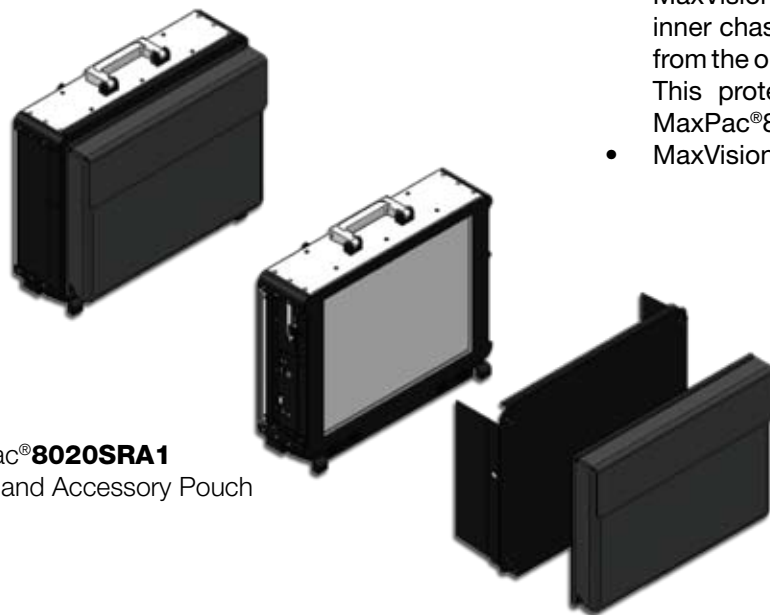
The MaxPac[®]8020SRA family comes in two varieties supporting one, or two 19" LCD displays. These portable workstations weigh approximately 30 and 37 pounds respectively on the desk top (add 5 pounds for display cover and keyboard and cords carried in the saddle bag pouch). The single screen configuration (MaxPac[®]8020SRA1) provides complete protection for the display without the transit case. The dual screen version (MaxPac[®]8020SRA2) require the use of the Pelican 1620 transit case for maximum protection. Both configurations provide room for keyboard, mouse and cords.



MaxPac[®]8020SRA
'Desert Proven' Filter System



MaxPac[®]8020SRA1
Single Display



MaxPac[®]8020SRA1
Cover and Accessory Pouch

The MaxPac[®]8020SRA Series provides the following features:

- Choice of Core2Duo or Core2Quad Intel processors, providing the power of 4 full-featured Core2 64 bit processors.
- Up to 8GB of main memory (Six 184-pin DDR DIMM sockets)
- Two removable 3.5" SATA hard drives providing up to 2 Terabyte of HD storage. (choice of 160GB, 320GB, 500GB, 750GB and 1TB @ 7200rpm SATA hard disk)
- Support of ultra high-performance PCIe video cards such as the nVidia Quadro FX1700, FX3700 and FX4600.
- Second PCI slot is available if a single slot video card is used on the MaxPac[®]8020SRA1
- Second PCIe x16 slot with 16x signals is available on the MaxPac8020SRA2
- Integrated 19" high brightness LCD with a extreme 90/90/90/90 degree viewing angle and an amazing 1500:1 contrast ratio and 8ms switching speed. (resolution 1280 x 1024).
 - MaxVision's Box-in-Box shock isolation system features an inner chassis containing the entire computer which is buffered from the outer briefcase with 1cm of Poron[®] smart polyurethane. This protects the entire computer (and the display in the MaxPac[®]8020SRA1 model) from drops up to 24".
 - MaxVision's extreme 'Desert Proven' air filtration system filters nearly all small particle dust without impeding air cooling fans. Special filter is removable without tools and can be washed in the sink.
 - MaxVision's full range 500 watt power supply supports 90 - 264VAC 50/60Hz and 115VAC@ 400Hz avionics power common to aircraft power systems.
 - Screen cover protects the display for single screen configuration. Pouch stores keyboard, mouse and cords and allows roll on to aircraft and fits in most overhead compartments.

MaxPac[®]8020SRA
Custom Air/Water Tight
Pelican[®] Transit Case

- Choice of double layer DVD burner (8.5GB) or Bluray burner (50GB)
- Rich standard I/O features such as, dual 1GB Ethernet, Firewire, 6 USB2.0, integrated audio.
- Small size, chassis size 18.7"W x 15"H x 4.5"D (18.7" x 15.95" x 5.45" including handle and filter), for single screen version. Second and third displays add 1" each to packed thickness. Weight of 27 to 40 pounds depending on the number of displays. Adjustable viewing angle 0-15°
- Environmental 0 - 50°C operating, -20°C to70°C non-operating, 10-90% relative humidity non-condensing. Operation up to 10,000 feet.
- Roller transit case provides water-tight drop protection when shipped or carried as checked baggage.

