MaxPac® 8051S

The smallest footprint dual 21.5" display workstation offered

Compact Rugged Portable Computer Workstation is 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 the ultimate lightweight configuration for geospatial power hungry applications.

MaxPac® 8051S (for single or dual external display)

Processor/Motherboard	Intel Xeon ES-2600 Series up to 3.2GHz, Super Micro X9SRA ATX LGA2011
Memory	8 DIMM slots DDR3-1066MHz; max of 64GB unbuffered ECC, or 256GB max using registered ECC (RDIMM).
LCD Display Size	Single or dual 21.5" (1920 x 1080).
LCD Monitor Specifications	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: 1920 x 1080.
Video Controller Options	nVidia 2000/4000 single slot. Other graphics offering upon request, subject to certification.
Std I/O Interface	Dual 1GBit Ethernet, HD Audio, eight USB 2.0 external, plus two USB 3.0 external, one PS2.
PCI Expansion	Option 1: Two PCIe x16 Gen3, one PCIe x4 Gen3 (in X8 slot) Option 2: Two PCIe x16 Gen3, one PCIe-32
Hard Drive	HD or SSD Data Drive choice of two 3.5" removable drives with up to 6TB of removable storage, eight 2.5" removable drive magazines (8 x 750GB HD up to 6TB or 8 x 600GB SSD up to 4.8TB). A 2.5" removable single system drive is also available.
Hard Drive Interface	Two SATA3, four SATA2, and four SATA2 ports via SCU for JOBD interface, eight Port SAS RAID controller (requires one PCIe x8 slot).
Optical Drive	Choice of SATA Slime Line Slot Loading DVD/CD writer or SATA Slime Line Loading Blu-Ray writer.
Video Projection	Unused external video port available only on video card on Single Screen models without the addition of a second graphics card.
Software OS	Windows 7 Pro, Windows 20008 Server, Red Hat Linux.
Power Supply	550 Watts 90-264VAC 50/60Hz 115V AC at 400Hz
Size Closed	22" W x 16" H x 9.2" D.
Size Setup (displays unfolded)	41" W x 16" H x 9" D (dual screen only).
Environmental	0 to 50°C, dust tolerance.
Regulation	FCC Class A, CE
Transit Case	Custom Explorer 5833 water-tight roller case stores keyboard, mouse, and cords. Meets Mil Std 810G vibration.
Weight	40 lbs/50 lbs.
Weight: Computer w/ Accessories	60 lbs/70 lbs.

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

Features rich I/O and multiple expansion card slots, which 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 6TB of removable storage. 2) Eight 2.5" removable magazine (8 x 600GB SSD up to 4.8TB).

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