



Designed for maximum computing power, flexibility and portability in the field, the compact CRS-2500 series workstation provides current COTS technology for field and military use. Features of the CRS-2500 series include: portability; hinged and detachable 15"/17"/20" high resolution active matrix color TFT displays; ATX or EATX form factor motherboard or passive single or multisegment backplane for CPU architecture flexibility and upgradability; all Intel i-Series, Core2 Duo and multiple multicore XEON CPUs to 3+GHz; memory support up to 128GB; support for UltraSPARC series CPUs; multiple removable 2.5"/3.5" disk drives to 2TB+ each plus ½-height 5.25" drive bay for CD/DVD-R/W drive, tape drive or floppy drive; CF and PCMCIA options; internal rechargeable UPS option; detachable sealed keyboard and pointing device; internal auto-ranging AC and DC power supply/charger.

CHASSIS

- Seam Welded Monocoque Aluminum Design
- Filtered Forced-Air Cooling (Vented)
- Handles & 19" Rack Mount Hardware
- Easy Top Access Cover
- EMI Shielded and Flexible Rear I/O Panel

EXPANSION

- ATX Motherboard or Passive Backplane
- Supports the Latest Processors & Interfaces
- Robust Card Cage
- Complete Backplane Card Integration
- PCI, ISA, AGP, SCSI, SATA/SAS, USB etc.

POWER SUPPLY

- Militarized Design Power Supply
- Autoranging AC and DC options
- Wide Voltage & Frequency Compliance
- Power Cord with Rugged Secured Twist-&-Lock Connector



DISPLAY

- 15"/17"/20" High Brightness AMLCD
- Front Accessible Controls, Indicators and OSD
- Detachable and Removable Subassembly
- Sunlight Readable & Touchscreen Options
- NVG Compatible Option

KEYBOARD

- Detachable Keyboard for Ease of Use
- Fully Sealed Keyboard and Pointing Device
- PS/2, RS-232 and Sun Type 5 options
- 14" Coiled Cable with Rugged Secured Quick Release Connector

PERIPHERAL BAY

- Front Access to all drives
- Hinged Access Door with Quick Entry Latch
- Shock Isolated and EMI Shielded Housing
- Accommodates 6+ Accessible Drives
- System Reset Switch



ALTITUDE



TEMPERATURE



SOLAR RADIATION



RAIN



HUMIDITY



FUNGUS



SALT FOG



SAND/DUST



VIBRATION



SHOCK



EMI/EMC

TOTAL ENVIRONMENTAL PROTECTION

CRS-2500

Rugged Portable Workstations & Servers

UNIT SPECIFICATIONS

DIMENSIONS

Closed for transport	17.75"W x 10.5"H x 20.25"D
Open for operator use	17.75"W x 10.5"H x 30.75"D

WEIGHT

Unit	50 -65 Lbs
Shipping	75 lbs

COLOR

Standard	27038 Textured Black per FED-STD-595
Options	Other colors available with larger quantities

WARRANTY

Standard	12 month Return-to-Factory
Option	Extended Warranties Available Upon Request

CONFIGURATION

CHASSIS	High strength Aluminum, Vented with Rain Louvers 19" Rack Mount Hardware & Slides Transit Case (Portable Application)
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DISPLAY	15" XGA (1024 x 768) AMLCD TFT Color 17" SXGA (1280 x 1024) AMLCD TFT Color 20" UXGA (1600 x 1200) AMLCD TFT Color
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CPU OPTIONS	All Intel i-Series, Core2 Duo and multiple multicore XEON processors to 3GHz+ UltraSPARC, PowerPC, Alpha
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MEMORY	512MB to 128GB
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KEYBOARD	Sealed and detachable, rubberized 81-key or 101-key QWERTY keyboard (PC) 101-key (PS/2) or 103-key (Type 5) QWERTY (Sun)
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POINTER	Sealed pointing device. 2 & 3 button options
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OPERATING SYSTEM	Windows 7, Vista, XP, Linux, others
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PERIPHERAL BAY	Four removable 2.5"/3.5" devices plus 3.5" 1.44 MB floppy and 5.25" CD/DVD-R/W drive
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POWER	86-264VAC, 47-400Hz; 20-36VDC option Rechargeable internal UPS option
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EXPANSION	PCI, PCI-e, PCI-x, ISA, AGP slots
Option	CF and Dual slot PC-Card options



ENVIRONMENTAL CHARACTERISTICS*

Note: Extended Environmental Characteristics Are Available

Temperature, operating	-25°C to +50°C
Temperature, non-operating	-40°C to +71°C
Altitude, operating	per Method 500.3 -1,000 to 15,000'
Altitude, non-operating,	to 60,000'
Fungus	Will not support growth per Method 508.4
Humidity	0-95% Non-condensing
Rain	Operating, per Method 506.3 Procedure I
Salt Fog	MIL-STD-810E Method 509.3 Procedure I, exterior
Sand & Dust	Operating per Method 510.3 Procedure I
Solar Radiation	Operation in direct sunlight, minimum 30 minutes
Shock, operating	20g @ 11ms half sine, per Method 516.4 Procedure I
Shock, non-operating	75g @ 11ms half sine, per Method 516.4 Procedure V; 4' drop (in transit case)
Vibration	Per specifications for shipboard, common carrier, ground mobile, aircraft, tactical wheeled vehicle (Method 514.4); MIL-STD-167/1
MTBF	>7,000 hrs ground benign @ 25°C, typical, configuration dependent
MITR	<30 minutes
EMI/EMC Standard	Designed for FCC Class A/B
Optional	MIL-STD-461C, D, E, F

* Peripheral dependent, based on MIL-STD-810E where noted; preliminary data subject to final test confirmation. Extended environmental performance optional

For Sales or Service Contact:

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