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TECHNOLOGY GROUP

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with experienced engineers and technicians on staff.

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Cyberchron Rugged Systems

A Division of C-Systems Corporation

CRS-5000

Rugged Portable Server

The CRS-5000 series *ruggedized* Transportable Servers are designed for deployment in the harshest military and industrial environments while supporting the latest advances in data storage technology. They are ideally suited for configuration within a high speed Ethernet network as High Performance Workstations or server subsystems. Features include: dual XEON Multi-Core processors to 3+GHz; memory to 64GB; ultra-high performance SAS/SATA RAID subsystem via dedicated high speed processors and data caching; easily expandable to suit changing needs for up to four (1.0") removable data storage devices with hot-swap/hot-spare capability. Multiple backplane options include: industry standard single/dual processor motherboards or multi- slot passive backplanes in single or multi-segment configurations. Remote diagnostic and full RAID management capability via the desktop or Ethernet, as well as transparent support for all Operating Systems including Windows7, Vista, XP and Linux; dual Gigabit Ethernet (10/100/1000 autosensing) and both copper and fiber support are available. And of course, the CRS-5000 series supports all disk drives, CD/DVD devices and tape drives, as well as solid-state Flashdisk devices.





FIELD RUGGED - MISSION READY



CHASSIS

> Seam Welded Monocoque Aluminum Design
> Forced air cooled, high flow
> 19" Rack-mount or Pedestal mount
> Easy Removable Top Access Cover and front drive/media access door
> Fully EMI shielded with flexible I/O

UPGRADEABILITY

> Up to 4 drives for over 8TB of rugged RAID data storage
> Hot swap drive bays
> Industry standard motherboard or passive backplane configuration
> Mix & Match all types of disk drives or solid-state Flashdisks

POWER SUPPLY

> Ruggedized Power Supply
> Auto-range AC & DC options
> Wide Voltage & Frequency Compliance
> Power Cord with secure Twist-&-Lock connector
> UPS backup option

DISPLAY

> Dual 20.1" 1600 x1200 pixel displays standard
> External Video input supports Picture-In-Picture capability
> Standard Video and PS/2 keyboard/mouse connections
> Can support up to 4 displays

INTERFACING

> Drives: SAS/SATA, ATA, EIDE
> Serial RS-232
> Flexible I/O options
> Dual Gigabit Ethernet (10/100/1000 autosensing)
> Windows7, Vista, XP, Linux
> PCI; PCI-x; PCI-e, AGP, others

PERIPHERALS

> Low profile (1") disk drive form factors
> Full support for all hard drives and solid-state Flashdisks
> Support for Optical drives
> Mix & Match all drives, media and capacities

2700 Route 9 * Cold Spring, NY 10516 USA * Tel (845)265-3700 * FAX (845)265-3752

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CRS-5000

Rugged Portable Server

UNIT SPECIFICATIONS

Item	CRS-5000/DX	CRS-5000/CI	CRS-5000/P11
Dimension	20” x 16” x 10”	Same	Same
Hard Drive capacity	4 x low profile (1”)	4 x low profile (1”)	4 x low profile (1”)
Backplane	Motherboard	Motherboard	11 slot passive
Processor	Dual XEON Multi-Core	i-Series & Core 2 Duo	All Core2 Duo, i-Series & XEON
Disk interface	SATA, SAS, EIDE	SATA, SAS, EIDE	SATA, SAS, EIDE
Ethernet interface	2 xGigabit Ethernet (10/100/1000)	2 x Gigabit Ethernet (10/100/1000)	2 x Gigabit Ethernet (10/100/1000)
Processor & Cores	2 x Multi- Core	i-Series or Core 2 Duo	4 x Multi- Core
Memory Capacity	64GB	64GB	Processor dependent



ENVIRONMENTAL

Temperature	
operating	0°C to +50°C
non-operating	-40°C to +85°C
Altitude	
operating	-1,000 to 15,000'
non-operating	to 60,000' (Method 500.3)
Fungus	Will not support growth per Method 508.4
Humidity	5 - 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 shipboard, common carrier, ground mobile, aircraft, tactical wheeled vehicle (Method 514.4); MIL-STD-167/1 type 1
MTBF	>30,000 hrs ground benign @ 25°C, typical, configuration dependent
MTTR	<30 minutes
EMI/EMC	
Standard	Designed for FCC Class A/B
Optional	MIL-STD-461C/D/E A1,A3,A4,A5

Note: Extended Environmental Characteristics Are Available.

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

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Artisan Technology Group is an independent supplier of quality pre-owned equipment

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We buy equipment

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