SPARC PORTABLE RUGGED WORKSTATION

CPC-5500S

The SPARC portable is the industry's most versatile rugged laptop computer. Interchangeable SPARC processors, color displays and large disk storage capacity are all bundled into one environmentally robust design.

The CPC-5500s ruggedized portable workstation establishes an entire new realm of computing capability; ruggedized portable SPARC computing. This premier laptop enables users to specify all of the powerful SUN SPARC processors, including MicroSPARC, SuperSPARC, HyperSPARC and UltraSPARC; all single and multi-processor versions. Full SUN compatibility is guaranteed by the use of genuine SUN CPU's. Combined with Cyberchron's advanced packaging, power supply and keyboard technology, this laptop is the most powerful, robust system available.

Architecture: True, full-featured SUN SPARC performance using genuine drop-in SUN SPARCengines. The rugged chassis accepts the entire line of powerful SPARC processors, SBus modules and software.

Displays: The system offers a full complement of color AMLCD displays: standard display is a 10.4" flat panel with 640 x 480 resolution and 262,000 colors. Options include a 10.4" and 12" display with 1024 x 768 resolution. Detachable 13" and 16" units with 1280 x 1024 resolution are also available.

Power Supply Options: The workstation is powered from an easily removed, sealed and conduction-cooled power supply. Standard input includes 86-264 VAC, 47-440Hz, and 18-36 VDC. An internal battery back-up UPS is standard and external battery modules that provide extended support time are available as options.

Keyboard: The CPC-5500S utilizes Cyberchron's ruggedized, sealed and waterproof keyboard with integral sealed pointer. The keyboard assembly is removable via quick-release latches. SUN Type 5 is the standard layout, with the Type 4 offered as an option.

CENTRAL PROCESSOR & OPTIONS

CPU'S	SUN SPARC 5, 20 and Ultra models *other third party SUN-compatible boards available*
Memory	1 to 512 MB DRAM (processor dependent)

PERIPHERAL CONFIGURATIONS

Standard Hard drive	Up to 2 removable 31/2" (SCSI-2) hard drives, currently providing up to 18 GB of storage
Standard floppy drive	31/2" 1.44 MB as standard; 2.88 MB optional
Standard Communications	Ethernet interface on RJ45 or AUI connector, RS-232/422, parallel and audio

EXPANSION OPTIONS

Internal expansion - SBus	Available spare SBus slots determined by processor board (3 to 4 slots).
Internal expansion - Other	SBus and VME expansion chassis available up to 4 additional slots; additional hard drives, DAT drives, CD-ROM and Magneto Optical drives available.
PCMCIA	One or two drives; Types I,II,III
Battery module	Provides additional 1.5 to 8 hours of portable operation.

Ruggedized Computer Systems and Solutions

CYBERCHRON

The Rugged Edge™

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CPC-5500S SPECIFICATIONS

MECHANICAL

System Dimensions
5.5" H x 14.7" W x 18.7" D (base system)

System Weight
30 lbs. (approximate, base system)

ELECTRICAL REQUIREMENTS

Internal AC/DC
86-264 VAC auto-range, 47-440 Hz/18-36 VDC 300W max power consumption.

Internal rechargeable battery pack provides
UPS back-up for interrupts and orderly system shutdown

INTERNAL DISPLAY CONFIGURATIONS

Standard interface	Flat panel frame buffer 500 kB on-board VRAM; options to 4MB
Optional interface	GX, TurboGX, TurboGX+ and ZX accelerated graphics adapters
Standard Color active matrix LCD	10.4" 640 x 480, VGA; 262,000 colors, options to 16.7M colors
Optional Color active matrix LCD	10.4" or 12" 1024 x 768, SVGA; sunlight readable options 13" or 16" 1280 x 1024 SXGA
Optional Monochrome active matrix LCD	10.4" 640 x 480, VGA; 60:1 contrast ratio, 256 grayscale

ENVIRONMENTAL CHARACTERISTICS*

Temperature, Operating	-25°C to +50°C, with optional equipment
Temperature, Non-operating	-40°C to +71°C
Humidity, Operating	0 to 95%, non-condensing
Humidity, Non-operating	0 to 95%, non-condensing
Altitude, Operating	-100 to 15,000' (MIL-STD-810E method 500.3 procedure II)
Altitude, Non-operating	-100 to 45,000" (MIL-STD-810E method 500.3 procedure II)
Drip proof	Designed to meet MIL-STD-810E method 506.2 procedure II
Salt Fog	Chemical film treatment per MIL-C-5541
Shock, Operating	20 Gs, 11 msec (MIL-STD-810E method 516.4 procedure I)
Shock, Non-operating	75 Gs, 11 msec (MIL-STD-810E method 516.4 procedure V)
Vibration, Operating	1.25 Gs at 3 to 50 Hz, 2.25 Gs at 50 to 2000 Hz
Vibration, Non-operating	Compliant to MIL-STD-810E for tactical wheeled vehicle, shipboard or aircraft platforms; compliant to MIL-STD-167-1, Type I

MTBF — >7,500 hours @ 25°C, Ground, benign, configuration dependent

EMI/EMC

Standard	FCC, designed to meet Class A and B
Optional	MIL-STD-461C, Class A1, A3, A4, A5, & B Other options available

*Peripheral dependant, based on MIL-STD-810E where noted; extended parameters optional