



Designed for maximum computing power, flexibility and upgradeability, Cyberchron's CPC-1200/1500 series workstation provides the latest generation COTS technology for field and military use. Features of the CPC-1200/1500 series include: portable or 19" rack-mount configuration; internal 10" & 12", VGA, SVGA & XGA active matrix color TFT display options; 9/10 slot active/passive multifunction backplanes for integration flexibility and upgradability; single or dual XEON multicore, Core2 Duo, i-Series CPUs to 3+GHz; up to 4 accessible/removable 2.5"/3.5"/5.25" devices including hard disk drives to 2TB+ each, plus 1/2-height 5 1/4" drive bay for CD/DVD-R/W or MO drive, tape drive and floppy drive; Compact Flash & PCMCIA option; detachable sealed keyboard/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

- 9- or 10-slot Passive Backplane
- Supports the Latest Processors & Interfaces
- Robust Card Cage
- Complete Backplane Card Integration
- PCI, ISA, PCI-e, PCI-x, USB and so on

POWER SUPPLY

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



DISPLAY

- 10" or 12" VGA, SVGA or XGA AMLCD options
- Front Accessible Controls, Indicators and OSD
- Sunlight Readable & Touchscreen Options
- NVG Compatible Custom Option

KEYBOARD

- Detachable Keyboard for Easy of Interface
- 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 4+ Accessible Drives
- System Reset Switch



ALTITUDE



TEMPERATURE



SOLAR RADIATION



RAIN



HUMIDITY



FUNGUS



SALT FOG



SAND/DUST



VIBRATION



SHOCK



EMI/EMC

TOTAL ENVIRONMENTAL PROTECTION

CPC-1200/1500

Rugged Portable Workstations & Servers

UNIT SPECIFICATIONS

DIMENSIONS

Closed for Transport	17.75"W x 8.75"H x 20.25"D
Open for operator use	17.75"W x 8.75"H x 30.75"D

WEIGHT

Unit	40 -55 Lbs
Shipping	65 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 / Rain Louvers 19" Rack Mount Hardware & Slides Transit Case (Portable Application)
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DISPLAY	10" VGA (640 x 480) AMLCD TFT Color 10" or 12" SVGA (800 x 600) AMLCD TFT Color 12" XGA (1024 x 768) AMLCD TFT
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CPU OPTIONS	XEON multicore, Core2 Duo, i-Series to 3GHz+, PowerPC, Alpha, UltraSPARC
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MEMORY	32MB to 16GB+
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KEYBOARD	Sealed and detachable, rubberized 81-key or 101-key QWERTY keyboard (PC)
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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 accessible devices such as 2.5"/3.5"/5.25" hard disk drives, CD/DVD-R/W, 1.44MB FDD
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POWER	86-264VAC, 47-400Hz; 20-36VDC Rechargeable internal UPS battery (optional)
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EXPANSION Option	Multiple PCI, PCI-e, PCI-x, AGP, others Dual slot PC-Card; 1x Type II & 1x Type III
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REAR I/O	CPU Board Dependent (Typical 2-serial, 1-parallel, 1-video)
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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
MTR	<30 minutes
EMI/EMC Standard Optional	Designed for FCC Class A/B MIL-STD-461C, D, E

* 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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