

Designed for highly integrated workstation portability in the field, Cyberchron's CPC-5600i series provides multiple configuration capabilities in an extremely ruggedized and EMI-tight package. The CPC-5600i is designed to provide current COTS technology and future upgradability for field and military use. Features of the CPC-5600i series include: 12" SVGA, 15" XGA or SXGA active matrix color TFT displays (with high-bright sunlight readable options); Single or Dual Intel Pentium III, Pentium IV as well as other CPU options; dual removable hard drives; dual slot PCMCIA option; multiple additional drive capability including floppy drive, CD-ROM, CD-R/W, DVD, DAT and custom options; optional UPS batteries; easily accessible 7-slot passive ISA/PCI backplane; sealed keyboard and pointing device; internal auto-ranging AC and/or DC power supply/charger; 19" rack mount tray option.

### CASING

- Lightweight Monocoque Aluminum Design
- Filtered Forced Convection Cooling
- Sealed Natural Convection Cooling option
- Rack, vehicle or desktop mounts
- EMI Shielded and Flexible Rear I/O Panel

### EXPANSION

- Passive 7-slot PCI/ISA backplane
- Supports the Latest Processors & Interfaces
- Two 16bit PCMCIA slots. Cardbus 32bit option
- Multi-configurable Drive Bay
- Ethernet, Firewire, USB, SCSI and other interfaces

### MOBILITY FEATURES

- Rechargeable UPS Battery option
- Wireless Communication options
- Vehicle, Floor, and articulated mounts
- Ruggedized for diverse environments



ALTITUDE



TEMPERATURE



SOLAR RADIATION



RAIN



HUMIDITY



FUNGUS



SALT FOG



SAND/DUST



VIBRATION



SHOCK



EMI/EMC

TOTAL ENVIRONMENTAL PROTECTION

### DISPLAY/INTERFACE

- 12.1" SVGA 800 x 600 High Brightness AMLCD
- 15" XGA and SXGA AMLCD options
- AGP graphics accelerator, 4/8/16MB+ RAM
- Sunlight Readable option
- Digitizer / Touchscreen interface

### KEYBOARD

- Docking Keyboard Base unit
- Sealed 81-key QWERTY Keyboard
- Backlit keyboard option
- Sealed 2-button Pointing Device
- External keyboard & mouse options

### STORAGE / MEMORY

- 2.5" and 3.5" Hard Disk drive options
- Solid State Disk Drive options
- Internal CD, DVD, CD-RW, FDD or Tape
- 32MB to 3GB RAM

# CPC-5600i

## Rugged Portable Workstation

### UNIT SPECIFICATIONS

<b>DIMENSIONS</b>	16.00"W x 18.62"D x 6.87"H <b>406mmW x 473mmD x 175mmH</b>
<b>WEIGHT, Base Tablet</b>	28 - 35 Lbs, configuration dependent
<b>CASING MATERIAL</b>	Computer Shell: High Grade Aluminum
<b>CPU OPTIONS</b>	Intel Pentium III to 1.4GHz+ Intel Pentium 4 and Xeon to 3GHz+
<b>MEMORY</b>	32MB to 3GB+
<b>DISPLAY</b>	12.1" SVGA (800 x 600) AMLCD TFT Color Option 15" XGA 1024 x 768 and SXGA 1280 x 1024 Sunlight readable option
	Option Resistive, capacitive or SAW Touch screen Scratch Resistant front panel
<b>VIDEO</b>	AGP graphics accelerator; 4 / 8 / 16MB RAM Full motion/screen MPEG1, MPEG2 and DVD playback
<b>OPERATING SYSTEM</b>	Windows NT, Windows 2000, Solaris, Linux, RTOS
<b>STORAGE</b>	Removable EIDE & SCSI hard drives up to 160GB+ Internal CD, DVD, Tape & Floppy drive options
<b>VOICE / AUDIO (option)</b>	Voice Grade Speakers; CD quality output
<b>POWER</b>	Auto-ranging 86-264VAC, 47-400Hz 18-36VDC or 10-20VDC Internal rechargeable UPS battery packs, Integrated fast charger
<b>EXPANSION</b>	3½ - Full length PCI; 1 - Full length ISA Option 2 - 16bit Type II PC-Cards / one Type III Option 2 - 32bit Type II / one Type III PC-Cards
<b>I/O PORTS (Standard)</b>	Two Serial 9-pin DB9 One 25-pin parallel port Two USB ports RJ45 10BaseT/100BaseTx Ethernet
Options	MIL-C-38999 Connectors IEEE 1394 (Firewire) Microphone/Speaker/Headset connectors External Video External PS/2 Keyboard/Mouse SCSI Any Commercially available



### ENVIRONMENTAL CHARACTERISTICS

Note: Extended Environmental Characteristics Available

<b>Temperature,</b> operating non-operating	0°C to +50°C -40°C to +71°C
<b>Altitude,</b> operating non-operating	-1,000 to 15,000' to 60,000' (Method 500.3)
<b>Fungus</b>	Will not support growth per Method 508.4
<b>Humidity</b>	0-95% Non-condensing
<b>Rain</b>	Operating, per Method 506.3 Procedure I
<b>Salt Fog</b>	MIL-STD-810E Method 509.3 Procedure I, exterior
<b>Sand &amp; Dust</b>	Operating per Method 510.3 Procedure I
<b>Solar Radiation</b>	Operation in direct sunlight, minimum 30 minutes
<b>Shock, operating</b>	20g @ 11mS half sine, per Method 516.4 Procedure I
<b>Shock, non-operating</b>	75g @ 11mS half sine, per Method 516.4 Procedure V; 4' drop (in transit case)
<b>Vibration</b>	Per shipboard, common carrier, ground mobile, aircraft, tactical wheeled vehicle (Method 514.4); MIL- STD-167/1 type I
<b>MTBF</b>	>6,500 hrs ground benign @ 25°C, typical, configuration dependent
<b>MTR</b>	<30 minutes
<b>EMI/EMC</b> Standard Optional	Designed for FCC Class A/B MIL-STD-461C, D, E

**For Sales or Service Contact:**

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