RUGGED LOW-PROFILE WORKSTSTION

CVC-130

This versatile, low-profile enclosure supports a motherboard or a 5-slot VME backplane, a shock-isolated peripheral bay and an optional front panel character display.

The rugged CVC-130 is the perfect enclosure in which to locate a powerful workstation in a confined environment. The seam-welded chassis is designed either for a 5-slot 6U VME backplane or a full-sized workstation motherboard, and includes a high-compliance power supply and isolated peripheral storage platform. The unit also features an optional 80 character front panel display capability valuable as a built-in-test display or an abbreviated control panel.

As a VME Chassis: A reinforced 5-slot 6U backplane is located on a hinged platform for ease of servicing.

As a Motherboard workstation: Motherboards are mounted on reinforced standoffs. Access is via a top EMI-shielded cover, removable with 1/4-turn captive fasteners.

Construction: The chassis is a welded *monocoque* design, increasing structural strength and EMI integrity, while reducing structural components.

Peripherals: Up to three 31/2" disk or tape storage devices are accommodated within a physically-isolated front-accessed and EMI-shielded peripheral bay. Additional embedded peripherals are optional.

Display: An optional 20-character by 4-line fluorescent display is accessible via standard RS-232 input from the CPU.

Power Supply: A high-compliance power supply can be configured for either AC, DC or Dual AC/DC input. The standard supply can accommodate a wide range of voltage inputs and frequencies.

FEATURES AND OPTIONS:

✓ VME Compatibility:
- SPARC 5, 10 & 20
- Motorola 680x0
- HP 700 series
- DEC Alpha
- Other 6U VME processors

✓ Workstation Compatibility:
- SUN SPARC 5, 10, 20, Ultra
- HP 9000 series
- DEC Alpha AXP
- Other options

✓ Up to three shock and vibration-protected storage peripherals.

✓ Custom I/O connector panels.

✓ Standard 19" RETMA rack mounts.

✓ EMI/EMC protection options include MIL-STD-461C; others available.

Ruggedized Computer Systems and Solutions

CYBERCHRON

The Rugged Edge™

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CVC-130 SPECIFICATIONS

MECHANICAL	
System Dimensions	5.25" H x 17.0" W x 22.0" D (19" rack mountable)
System Weight	30-40 lbs (configuration dependant)
CENTRAL PROCESSORS & OPTIONS	
VME & MULTIBUS compatible architectures	Intel 80x86
SUN SPARCstation, Classic, 5, 10, 20	HP PA-RISC
Motorola 680x0	Power PC
88000 RISC	DEC Alpha
ELECTRICAL REQUIREMENTS	
Input power, standard	120 or 240 VAC, 47 - 400 Hz, single phase
Input power, optional	12/24/28 VDC; 86 to 264 VAC auto-sensing; dual AC and DC; other combinations available
Power supply rating	300W - configuration dependant
EXTERNAL DISPLAY CONFIGURATIONS	
CRM-16 (16-inch Diagonal)	Up to 1280 x 1024 color monitor or flat panel display
CRM-19 (19-inch Diagonal)	Up to 1600 x 1200 color monitor
PERIPHERAL CONFIGURATIONS	
Disk Drives	Accommodate up to three front-accessible peripherals; capacities range from 340 MB to 9 GB per device.
Floppy Drives	31/2" and 51/4"
Tape Drives	1/4" cartridge and 4mm DAT
Optical Drives	CD-ROM in 51/4", 31/2" and 2"
Solid State	FLASH, EEPROM, Flash Card
ENVIRONMENTAL CHARACTERISTICS*	
Temperature, Operating	-25°C to +50°C, with optional equipment
Temperature, Non-operating	-55°C to +71°C
Humidity, Operating	0 to 95%, non-condensing
Humidity, Non-operating	0 to 95%, non-condensing
Altitude, Operating	0 to 15,000' (MIL-STD-810E method 500.3 procedure II)
Altitude, Non-operating	0 to 45,000' (MIL-STD-810E method 500.3 procedure II)
Salt Fog	Chemical film treatment per MIL-C-5541
Shock, Operating	20 Gs, 11 msec (MIL-STD-810E)
Shock, Non-operating	75 Gs, 11 msec (MIL-STD-810E)
Vibration, Operating	1.25 Gs at 3 to 50Hz, 2.25 Gs at 50 to 2000Hz
Vibration, Non-operating	Compliant to MIL-STD-810E for tactical wheeled vehicle, shipboard or aircraft platforms; compliant to MIL-STD-167-1, Type I
Fungus	Resistant per MIL-STD-454K
EMI/EMC	FCC, designed to meet Class A and B
Standard	Class A1, A3, A4, A5, & B
Optional MIL-STD-461C	Other options available
Optional	

*Peripheral dependant.

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