



CRDM Series

Rugged Flat Panel Displays with CPU/Drive for Deployment in Harsh Environments



Cyberchron's CRDM Series of CPU based flat panel displays are designed to be a direct replacement for CRT based workstations, but with considerable savings in size, weight, and power usage. The display brings brilliant color and near CRT performance to the field by combining high resolution, high contrast ratio, and wide viewing angles with the ultimate in environmental resistance.

Field Rugged • Mission Ready

CRDM SERIES SPECIFICATIONS

Color	Standard Option	27038 Black (Textured) per FED-STD-595 Other Colors Available with Larger Quantities
Electrical Power	AC Input DC Input (Option) Battery (Option)	86-264VAC/47-400Hz 10-20VDC or 18-36VDC Internal Rechargeable UPS Batteries (15-30 Minutes – Configuration Dependent)

ACTIVE MATRIX TFT DISPLAY OPTIONS

Size (Diagonal)	Resolution	Colors	Dimensions	Weight	Input	Contrast Ratio	Brightness
12"	XGA 1024 x 768	4K/16.7M	14.50" W x 12.00" H x 4.25" D	≈ 17 lbs.	Analog RGB	100:1	200cd/m ²
13"	SXGA 1280 x 1024	16.7M	14.50" W x 12.00" H x 4.25" D	≈ 18 lbs.	Analog RGB	100:1	180cd/m ²
14"	XGA 1024 x 768	4K/256K	17.75" W x 14.50" H x 4.25" D	≈ 19 lbs.	Analog RGB	100:1	200cd/m ²
16"	SXGA 1280 x 1024	4K/256K	17.75" W x 14.50" H x 4.25" D	≈ 20 lbs.	Analog RGB	100:1	200cd/m ²
18"	SXGA 1280 x 1024	16.7M	19.00" W x 17.17" H x 4.25" D	≈ 21 lbs.	Analog RGB	100:1	150cd/m ²
20"	SXGA 1280 x 1024	16.7M	19.00" W x 17.17" H x 4.25" D	≈ 22 lbs.	Analog RGB	100:1	150cd/m ²

CONFIGURATION OPTIONS

CPU (Central Processing Unit)	SPARC, Pentium, PowerPC, DEC Alpha, Other
Clock Speed	Up to 300MHz +
O/S (Operating System)	Solaris, Unix, Windows, Windows NT, Lynx OS, Other
RAM (Random Access Memory)	16MB to 512MB
I/O (Input-Output)	All Commercially Available Interfaces
Peripherals	Dependent on Display Size (e.g. Standard Hard Drive, Magnetic Disk Drive, Solid State Drive, PCMCIA, Other)
QWERTY Keyboard & Pointing Device	Separate/Sealed (Touchscreen or Pen Input Option)
Mounting	Stand-Alone or Rack-Mount or Panel-Mount or Wall-Mount or Customized

STANDARD ENVIRONMENTAL CHARACTERISTICS*

Temperature	Operating Non-Operating	-25°C to +55°C -45°C to +71°C
Altitude	Operating Non-Operating	-1,000 Feet to 45,000 Feet to 60,000 Feet
Fungus		Will Not Support Growth
Humidity		0-95% Non-Condensing
Rain	Operating	per MIL-STD-810E, Method 506.3, Procedure II
Salt Fog	Exterior Structure	per MIL-STD-810E, Method 509.3, Procedure I
Sand & Dust	Operating	per MIL-STD-810E, Method 510.3, Procedure I
Solar Radiation		Operation in Direct Sunlight, Minimum 30 Minutes
Shock	Operating Non-Operating	20g @ 11ms half sine, per MIL-STD-810E, Method 516.3, Procedure I 75g @ 11ms half sine, per MIL-STD-810E, Method 516.3, Procedure V & 4 Feet Drop (in Transit Case)
Vibration		Specifications for Shipboard, Common Carrier, Ground Mobile, Aircraft, Tactical Wheeled Vehicle per MIL-STD-810E, Method 514.3 & MIL-STD-167/1 Type 1
MTBF (Mean Time Between Failures)		≈ 10,000 Hours Ground Benign @ 25°C (Typical), Configuration Dependent
MTTR (Mean Time To Repair)		< 30 Minutes
EMI/EMC	Standard Option	Designed to Meet FCC Class A & B MIL-STD-461C, D, Class A1, A3, A4, A5 (Other Shielding Options Available)

(*Configuration Dependant, Data Subject to Final Tests on Configuration, Extended Environments are Available)

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For Sales or Service, please contact Cyberchron Corporation:

PO Box 160 • Route 9 • Cold Spring, NY 10516 • Web: www.cyberchron.com
Tel: (914) 265-3700 • Fax: (914) 265-4154 • E-mail: cybersales@cyberchron.com