

Model RFP18D1

18" Rack Mount Color Flat Panel Display

18.1" COLOR ACTIVE MATRIX LCD (AMLCD)
ATTRACTIVE FLUSH RACK MOUNT
CONVENIENT FRONT CONTROLS
DESIGNED AND TESTED FOR
MIL-S-901D, MIL-STD-167, MIL-STD-461E
HIGH BRIGHTNESS WITH FULL RANGE DIMMING (STANDARD)
ANTI-REFLECTIVE PROTECTIVE VIEWING WINDOW (STANDARD)
WIDE VIEWING ANGLE $\pm 85^\circ$ (ALL DIRECTIONS)
HD-15 (VGA) & 5-BNC INPUT VIDEO CONNECTORS (STANDARD)
AUTO RANGING INTERNAL AC POWER SUPPLY
HIGH RESOLUTION 1280 X 1024
NOT AFFECTED BY MAGNETIC FIELDS
EMITS NO X-RAYS AND VIRTUALLY NO EMF
8U HIGH



Display Type:	18" TFT Active Matrix LCD
Active Display Area:	359.04 x 287.23 mm (14.14" x 11.31")
Pixel Pitch:	0.28 x 0.28 mm
Brightness:	190 cd/m2 w/EMI faceplate (Typical)
Viewing Angle:	$\pm 85^\circ$ All directions (Typical)
Contrast Ratio:	300:1 (Typical)
Display Colors:	16 Million
Backlight Unit:	12 Cold Cathode Fluorescent Lamps with Inverter; replaceable
Video Input Impedance:	75 Ohm
Input Interface:	5 BNC connectors (RGB, V-Sync, H-Sync or composite sync) and VGA Connector (HD15)
Native Resolution:	1280 x 1024
Display Controls:	Power, Brightness, Contrast, Horizontal Size, Clock Delay, Vertical Position, Horizontal Position

Temperature:	Operating:	0°C to 55°C, MIL-STD-810E Method 501.3/502.3, Procedure I
	Storage:	-30°C to +71°C, MIL-STD-810E, Method 501.3/502.3, Procedure I
Humidity:	Operating/Storage:	5 to 95% RH Non-condensing MIL-STD-810E, Method 507.3 Procedure I
Altitude:	Operating:	0 to 42,000 ft. above sea level
	Storage:	0 to 54,000 ft. above sea level (MIL-STD-810E, Method 500.3)
Rapid Decompression:		RTCA/DO-160D, 8,000 ft ASL to 42,000 ft. ASL in 15 seconds, 42,000 ft. ASL to 25,000 ft. ASL in 5 minutes
Shock:		Tested IAW MIL-STD-810E, Method 516.4 Procedure I, three blows each direction on each of three axes:
		• Vertical UP: 56G, 20 msec, 1/2 sine • Vertical DOWN: 30G, 11 msec, 1/2 sine • Left/Right: 30G, 11 msec, 1/2 sine • Front/Back: 30G, 11 msec, 1/2 sine
Vibration:		MIL-STD-167-1, Type 1
Drip Proof:		MIL-STD-810E, Method 506.3, Procedure II, MIL-STD-108E (15°) All Over
Sand/Dust:		MIL-STD-810E, Method 510.3 All Over
EMI:		MIL-STD-461E CE101*, CE102, RE101*, RE102 CS101, CS114, CS116, RS101, RS103 * Pass with exception
Magnetic Field:		DOD-STD-1399, Section 070, Part 1: 20 oersted (1600 A/m) operating
Power Requirements:	Power Supply:	90 -132/180 -264 VAC Autoringing, 47 - 440 Hz; 18 - 36 VDC Input Optional
	Power:	<75 watts <30 watts (Power Saving Mode)
	Chassis Connector:	MS3102A-10SL-3P
	Cable Connector:	MS3106A-10SL-3S
Dimensions & Weight:	Height:	14.00" (8U)
	Width:	19.00"
	Depth:	Front to mounting surface, 0.44" Mounting surface to rear, 5.85"
	Weight:	27 lbs.
Compatibility:		PCs, Workstations & X-Terminals

Aydin Displays is:



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All specifications subject to change without notice.