

18.1" Military 9U Rack Mount LCD (Model: ARP918X)

18.1" Military Panel Mount LCD (Model: AAP1800)

Product Features

- □ 18.1" Color Active Matrix Liquid Crystal Display (AMLCD)
- Attractive Flush Rack Mount or Panel Mount
- Convenient Front Controls
- Designed and Tested for MIL-S-901D, MIL-STD-167,
 MIL-STD-461D
- High Brightness with Full Range Dimming (Standard)
- Anti-Reflective Protective Viewing Window (Standard)
- Wide Viewing Angle ± 85° (All Directions)
- □ HD-15 (VGA) & 5-BNC Input Video Connectors (Standard)
- Auto Ranging Internal AC Power Supply
- High Resolution 1280 x 1024
- Options: DVI-D, NTSC/S-Video Input,
 Brightness & Contrast
 Enhancements, Sunlight Readable





Model: ARP918X & AAP1800 flat panel displays are designed for use in severe environments as encountered by the military. The ARP918X & AAP1800 are designed to meet a wide variety of applications (shipboard, airborne, and ground mobile), which require a solid mechanical design to protect the display against shock, vibration, and temperature extremes. The model ARP918X's salient features include: 15.75" (9U) high and is designed for flush mounting into a standard 19" RETMA rack enclosure. The model AAP1800 is for panel mounting in a console. Both models comply with MIL-S-901D, Grade A shock, MIL-STD-167 vibration, MIL-STD-461D for electromagnetic compatibility. The model ARP18X serves as a direct replacement for 20" CRTs.

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Display Display Type:	18" TFT Active Matrix LCD	Humidity: Operating/Storage:	5 to 95% RH Non–condensing MIL-STD-810E, Method 507.3
Active Display Area:	359 x 287 mm (14.135" x 11.308")	Altitude:	Procedure 1
Pixel Pitch:	0.28 x 0.28 mm	Operating: Storage:	0 to 42,000 ft. above sea level 0 to 54,000 ft. above sea level (MIL-STD-810E, Method 500.3)
Brightness:	180 cd/m ₂ (Typ. w/EMI faceplate)		,
Viewing Angle:	± 85 ° All directions (Typical)	Rapid Decompression:	RTCA/DO-160D, 8,000 ft ASL to 42,000 ft. ASL in 15 seconds,
Contrast Ratio:	300.1 (Typical)		42,000 ft. ASL to 25,000 ft. ASL in 5 minutes
Response Time:	25 ms (Typical)	Shock:	MIL-S-901D, Grade B, Class 1
Display Colors:	16 Million		Type A
Synchronization Range:	Horizontal: 24.8 to 91 kHz Vertical: 47.2 to 89 Hz	Vibration:	MIL-STD-167-1, Type 1
Input Signal: Video	Analog 0.7V p-p/75 Ohms Separate sync. TTL level	Drip Proof:	MIL-STD-810E, Method 506.3 Procedure II, Front Panel only
Sync	Horizontal Sync Positive/Negative Vertical Sync Positive/Negative	Sand/Dust:	MIL-STD-810E, Method 510.3, Front Panel only
	Composite Sync Positive/Negative Sync on Green (Video 0.7Vp-p and Sync 0.3Vp-p)	EMI:	MIL-STD-461D CE101*, CE102, RE101*, RE102 CS101, CS114, CS116, RS101, RS103
Input Interface:	HD-15 (VGA) & 5 BNCs		* Pass with exception
Video Input Impedance: Resolutions Supported:	75 Ohms 640 x 480 @ 60-85 Hz 720 x 400 @ 70-85 Hz 800 x 600 @ 60-85 Hz 832 x 624 @ 80 Hz 1024 x 768 @ 60-85 Hz 1152 x 900 @ 76 Hz	Power Requirements: Power Supply: Frequency: Power: Chassis Connector: Cable Connector:	90-132/180-264 VAC Auto Ranging (+28 VDC Optional) 47-440 Hz 68 watts typical IEC 320 NEMA 5-15 P
	1280 x 1024 @ 47-76 Hz 1152 x 864 @ 70-85 Hz	Dimensions & Weight: Height:	Rack Mount (ARP918X) (AAP1800) 15.75" (9U) 16.86"
Native Resolution:	1280 x 1024 @ 60 Hz	Width: Depth:	19.00" 18.97" 3.70" 3.61"
User Controls:	Display Controls: Power, Brightness, Contrast, Clock, Horizontal & Vertical Position	Weight: Compatibility:	21.5 Lbs. 22.5 Lbs. PCs, Workstations, & X-Terminals
Temperature: Operating: (Sea Level) Storage:	0°C to 50°C, MIL-STD810E Method 501.3/502.3, Procedure II -30°C to +71°C, MIL-STD-810E, Method 501.3/502.3, Procedure I	Options: Touch Screens:	DVI-D, NTSC/S-Video Input, Brightness & Contrast Enhancements, Sunlight Readable Capacitive
Optional:	-40°C storage available	Touch Scients.	Ο αρασιτίνο



www.i-techcompany.com USA:1-510-429-9288, 1-888-483-2418 Fax: 1-510-372-2736 30081 Ahern Avenue, Union City, CA 94587