

RD1119

RUGGED DISPLAY



Ultra wide
viewing angle



1000:1 CR
1600 nits



SXGA
resolution



Sealed
keyboard



DVI and/or VGA
interface



AC power

DESIGNED FOR DEMANDING APPLICATIONS AND CHALLENGING ENVIRONMENTS

With an all aluminum construction weighing in at 22lbs., the RD1119 provides a small package with big capabilities. Unique folding design provides a 1U, 19" LCD in a user centric attitude for ease of use in a compact and rugged package.

Crystal Group rugged displays meet military, industrial, and commercial demands for high brightness and contrast, sunlight readability, and resistance to impact, scratches, condensation and dust penetration. Rugged displays are the optimal choice for industrial, commercial, and military systems – including those on the move, whether on land, at sea, in the air or space. Advanced lamination and glass improve durability and impact resistance, brightness and contrast, and sunlight readability, while reducing reflection, condensation, and dust buildup.

Crystal Group provides a 5-year warranty and forward-looking configuration management to enhance the long-term investment of your compute solution.



USE CASES

- Rack platforms
- Transit cases
- System console control for hyperconverged systems

CRYSTAL GROUP RD1119 TECHNICAL SPECIFICATIONS

Mechanical	Height: 1.75" (4.45 cm)
	Width: 17.5" (44.45 cm) EIA-310 rack compliant
	Depth: 24" (61 cm)
	Weight: Less than 22 lbs. (9.98 kg)
Mounting	1U drawer mount on Accuride slides or Jonathan rails
Power Supply	120/240 VAC
LCD	Manufacturer and Type: AUO 19" Diagonal, TFT TN, normally black AMVA
	Resolution: SXGA 5:4 1280x1024
	Active Area: 376.32 mm (H) x 301.06 mm (V)
	Pixel Pitch: 0.294 x 0.294
	Pixel Configuration: RGB Vertical Stripe
Optics	Color Palette: 16.7 M colors (RBG 6-bit + Hi-FRC)
	Viewing Angle: +/-80V, +/-85H minimum
	Luminance: 1600 nits normal to display surface (standard configuration)
	Contrast Ratio: 1000:1 normal, type
	Cover Glass: 3mm, laminated with anti-reflective, anti-glare, and HEA surface treatment
Interface	Color Gamut: 70%
	DVI and/or VGA
Keyboard	Sealed iKey keyboard with touchpad; 10-Key numeric pad; 12 function keys

ENVIRONMENTAL TESTING STANDARDS

MIL-STD-810: Environmental Engineering Considerations and Laboratory Tests	Operational Temperature, Method 501, Procedure I/II: -30°C* to +70°C ¹
	Storage, Method 501, Procedure I/II: -30°C to +70°C ¹
	Humidity, Method 507, Procedure II: 240 hours with humidity kit ²
	Altitude, Method 500: 12,500ft operation, 40,000ft transport ²
	Vibration, Method 514, Procedure I: 3 GRMS, 5-2,000Hz, 75 min/ axis, 3 axes ¹
MIL-S-901	Grade B; Grade A Stowed

In-house test reports provided for baseline units; customer-specific test options available upon request.

1: Test report available

2: Designed to meet standard

*LCD may be impacted by temperature, resulting in LC response time to be greater than 250 ms 10/90 at -15°

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