

GEMINI 19 RACKMOUNT DISPLAY

ULTRA-SLIM, HIGH-PERFORMANCE RUGGED RACK UTILITY



Stowable Rack Mount Solution

Z Microsystems's flexible and ultra-slim Gemini 19 is a 1U rack mount display designed for RETMA racks and transit cases. The 1280 x 1024 (SXGA) resolution 19" flat panel Gemini comes equipped with dual locking mechanisms and quick release levers for secure stowage and deployment from server racks. The Gemini-19 can be configured to articulate up or down depending on application specific rack needs.

Viewing Options

The Gemini 19 supports Picture-In-Picture (PIP) capabilities, enabling operators to view multiple video inputs and ultimately reduce the space requirements caused by the need for multiple displays. The Gemini 19 also offers exceptional color and clarity, and is universally compatible with any workstation, PC, or X Terminal.

A Legacy of Toughness

The re-engineered Legacy Gemini 19 is manufactured from lightweight aircraft-grade CNC machined aluminum with a tough baked-on powder coating to provide exceptional strength and durability. The Gemini 19" display is flexible and space-saving allowing it to easily integrate into a 19" RETMA server rack providing performance display solutions without taking up critical rack space in deployed computing applications.

HIGHLIGHTS

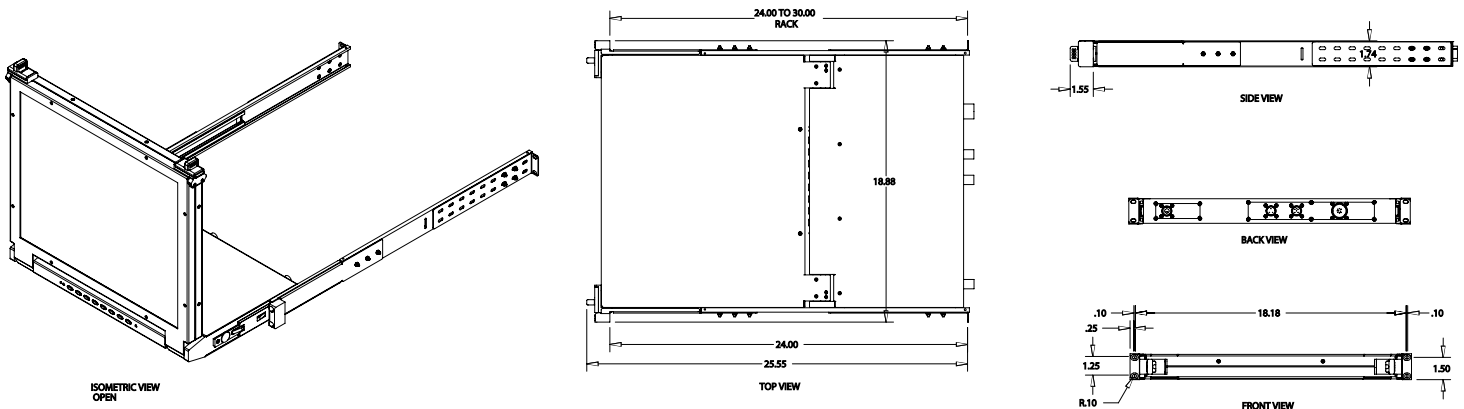
- 19" rugged vehicle LED display
- 1280 x 1024 (SXGA) native resolution
- LED Backlight: brightness of 500 cd/m²
- Stow-away 1U RETMA rack display
- Articulating UP or DOWN options
- MIL-STD-810G, MIL-STD-461F
- MIL-DTL-38999 locking connectors available
- Real-Time Enhanced Video (RTEV) capable
- Optically bonded Anti-Reflective Shield
- Integrates with any workstation, PC, or X Terminal

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Technical Specifications

Panel Size	19" active display area
Native Resolution	1280 x 1024 (SXGA) (Scaled support up to 1920 x 1200)
Backlight	LED
Dimensions (standard - no PIPs)	1.74 x 18.80 x 25.50 inch 44 x 478 x 648 mm (1 RU tall)
Weight (standard - no PIPs)	19 lbs. 18.6 kg
Contrast Ratio	2000:1
Brightness	600 cd/m ²
Color Palette	8-bit
Viewing Angle	Full +/- 89°
Controls (customizable)	INPUT, MENU/SELECT, UP, DOWN, LEFT, RIGHT, EXIT, STANDBY, USB Communications (
Display Options	Embedded Real Time Enhanced Video (RTEV)
Scaling Modes	No Scale, Fullscreen Scaled, SAR (Scaled w/ Aspect Ratio retained)
Connections (options)	MIL-DTL-38999, MIL-DTL-5015 locking
Mounting	19" RETMA rack with slide rails, 24" to 30" Deep rack
Power Supply	110-240V AC, 2.0A input 50-60Hz 18-36V DC, 8.5A inrush (EN 60601-1 Medical Certified Supply)
Power Consumption	56 W
Operational Temperature	0° to 50° C
Non-operational Temperature	-40° to +70° C
Humidity	Up to 95% Non condensing @ 40° C for 48 hours MIL-STD-810G Method 507.5 Procedure II, 240 hr duration
Operating Altitude	Up to 10,000 ft.
Non-operating Altitude	Up to 40,000 ft.
Vibration*	DO-160 Section 8, Curve B, Fixed Winged Aircraft and Surface Ships
Shock*	MIL-STD-810G Section 516.5, 40g's 11ms saw-tooth
Fungus	Non-nutrients/contaminants
EMI / EMC*	MIL-STD-461F, RS101, RS103 (20v/m 2MHz to 200MHz, 50v/m 200MHz to 18GHz) CE102, CS101, CS114, CS115, CS116
MTBF	Min. 50,000 hrs (backlight only)
MTTR	< 30 mins.
ESD/Safety*	IEC 61000-4-2 8kv contact, 15kv air / IEC60950 (Used as a guideline)
Quality	IPC/ISO 9001:2008 and applicable sections of the MIL-HDBK-454
Part Numbers	GEM19AR-S2DNMC-U02

*Proper Mounting Support Required.



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Z Microsystems, Inc. is an ISO 9001:2008 certified company and compliant with AS 9100 requirements. Product information and technical data provided are typical of standard configurations of the described products. Measured results may vary slightly between units. This information is subject to change without notice. For more information, or the latest version of this product sheet, please visit our website @ www.zmicro.com

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