



GEMINI RUGGED ULTRA SLIM HIGH-PERFORMANCE LCD

The flexible ultra-slim Gemini fits neatly into standard 19" RETMA racks and transit cases. Dual locks hold the Gemini firmly in the storage position, and quick-release levers lock and unlock the Gemini allowing it to slide out. Choose a flip up or down model.

Up to two Picture-in-Picture (PiP) capability enables the operator to view multiple video inputs at once, reducing total display requirements, SoftMenus allow for remote administration and user-friendly functionalities

like the zoom feature, The Gemini 19" rugged display provides exceptional color and clarity, and plug-and-plays with any workstation, PC or X Terminal.

The Gemini is manufactured from lightweight aircraft grade aluminum with a tough baked on powder coat to provide exceptional strength and durability. The Gemini 19" LCD is the leader in flexible, space-saving and lightweight displays.

Highlights

- 1280 x 1024 display resolution
- Multi-synchronization capability
- Up to two Picture-in-Picture capability
- Up to 170 degree viewing angle
- Tucks away in 1U rack space
- On-screen menu controls

- Rugged lightweight packaging
- Integrates with any work station, PC or X Terminal
- Applications include:
Shipboard, Airborne, Field Deployments
- Compatibility:
Sun, SGI, DEC, IBM, PC, Mac

SPECIFICATIONS

Gemini Display

LCD Panel

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|-----------------|---|
| Size: | 19" |
| Native Pixels: | 1280 x 1024 |
| Color Palette: | 16.7 million |
| Contrast Ratio: | 900:1 |
| Luminance: | 300 cd/m2 (typical) |
| Viewing Angle: | Full +/-80° |
| Controls: | Operator Control Panel or GUI SoftMenus |
| Options: | Up to 2 Picture-in-Picture |

Power

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|--------------------|-----------------------------------|
| Power Consumption: | 60-110 W (depending on # of PiPs) |
| Power Supply: | 100-240 VAC input @ 50-60Hz |

Cabling

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|---------------|---------------------------------|
| Display: | 10' cable, HD15 |
| Power Cable: | 10' cable, IEC or 6' cable 5015 |
| Serial Cable: | 10' cable, DB9 |

Physical

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|---------|----------------------------|
| Size: | 1.74"H x 25.50"D x 18.88"W |
| Weight: | 19 lbs. |

Environmental*

| | |
|-------------------------|--|
| Operating Temp: | 0° to + 50° Celsius |
| Non-operating Temp: | -40° to + 70° Celsius |
| Humidity: | 5% to 95% Non condensing Design Goal |
| Non-operating Altitude: | Up to 40,000 ft. |
| Operating Altitude: | Up to 20,000 ft. |
| Vibration: | MIL-STD-167 |
| Shock: | MIL- STD 810E (Method 516), 20g's MIL-S-901D (In isolated rack) |
| Sand and Dust: | 5.5 MPH for 25 min, (Display bezel only) Design Goal |
| Rain: | MIL-STD-810E (Display bezel only) Design Goal |
| Fungus: | Non Nutrients/contaminants |

Reliability

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|------------------|-------------------------------------|
| MTBF: | 50,000 Hrs (LCD and backlight only) |
| Maintainability: | <30 minutes |

Regulatory

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| Safety: | UL1950 (used as a design guideline) |
| EMC/RFI: | MIL-STD-461E, RE101 Army Limits, RE102 (Navy Fixed), RS101 RS103 (20v/m 2MHz and 60v/m 1GHz-18GHz), CE101, CE102 CS114, CS115, CS116 |

EMI option: RE101 Navy Limits, RE102 Shipboard Limits

Quality/Workmanship

IPC / ISO 9001:2000 and applicable section of MIL-HDBK-454

*Environmental test data available upon request is based on similarity with the tested EDT and ERM products. If noted as DesignGoal, testing has not been performed.

** Unit will power up and is legible at -20°C; backlight life is reduced

