



neuro LOGIC
SYSTEMS

PRODUCTS

RFT-15-MIL 1U RFT 15" LCD Display



THE RFT-15-MIL IS A 1U RACKMOUNT 15" LCD AND KEYBOARD BUILT AND TESTED TO MILITARY SPECIFICATIONS FOR VIBRATION AND EMI. THIS PARTICULAR MODEL SHOWN BELOW (RFT-15-MIL-H) WAS BUILT FOR A MILITARY REFUELING AIRCRAFT.

THIS UNIT HAS UNDERGONE 901, 461E AND 810 TESTING.

- BUILT TO MILITARY SPECIFICATIONS
- FITS ALL RACKS
- SEALED KEYBOARD
- OPTIONAL LCD HEATER
- OPERATIONAL TO -40C



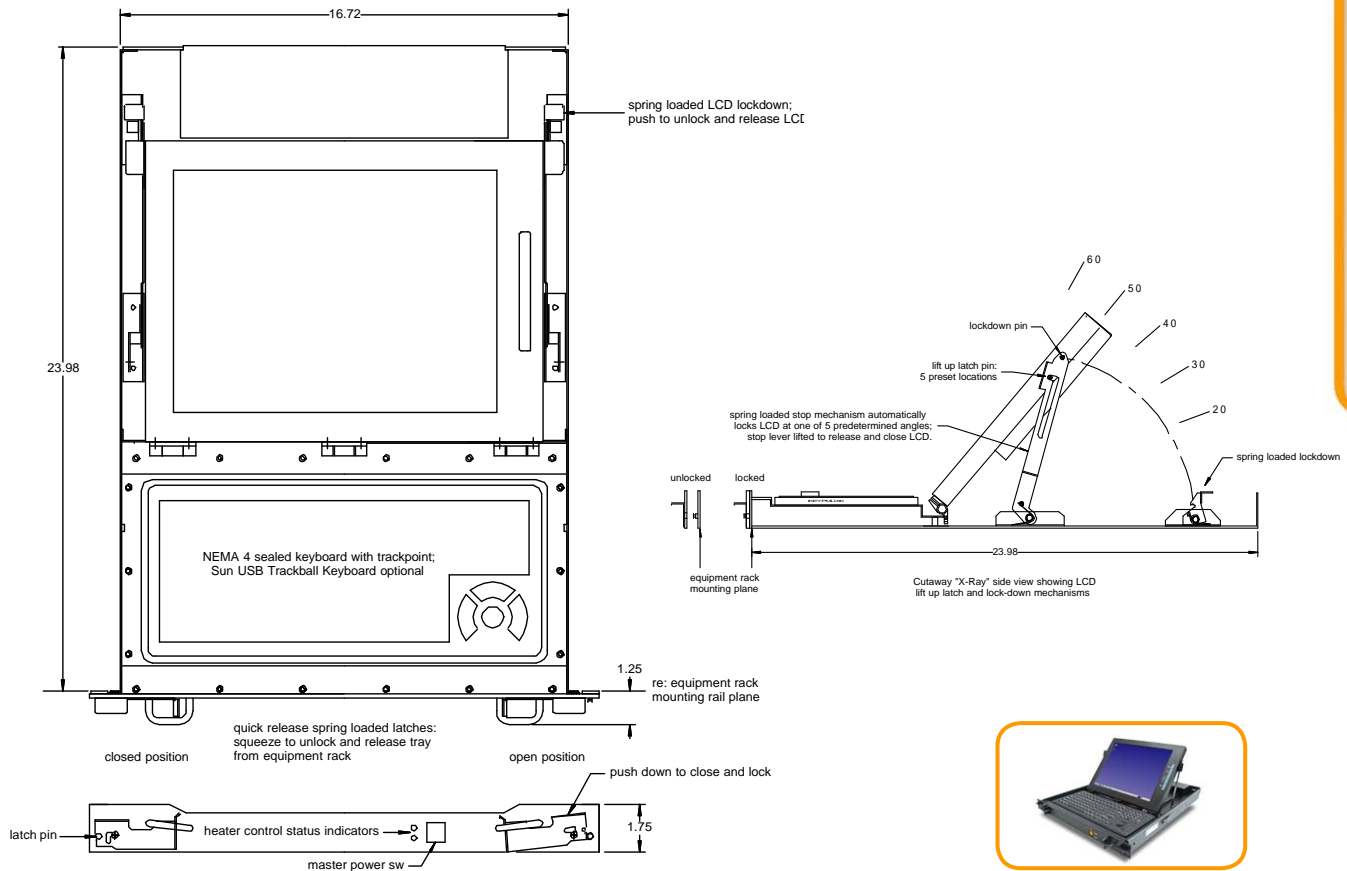
KEY FEATURES

- Entire unit only 1U (1.75") high
- Sealed PS/2 or Serial Keyboard
- 15" TFT LCD native 1024 x 768 resolution
- Sealed 3-button pointing device
- LCD power-up when raised
- Lock-down mechanism for LCD for

- storage
- Heavy duty slide rails
- Aluminum construction
- NEMA sealed front 2mm protective glass for LCD
- 15-pin VGA connections
- 1-Year Parts and Labor Warranty

- Fits 24" to 36" rack depths via adjustable mounting brackets
- 28 and 48-volt DC and 400Hz power supply options
- Optional LCD Heater for extreme cold

RFT-15-MIL: 1U RFT 15" LCD



LCD TECHNOLOGY

LCD Technology:

- Active matrix TFT color LCD
- 15.1" diagonal screen size
- 0.29mm x 0.29mm pixel pitch
- 250cd/m² (typ.) brightness
- 400:1 (typ.) contrast ratio
- Tr: 25ms / Tf: 15ms (typ.)
- L/R=75° / 75°, U/D=55° / 65° viewing angle
- LVDS 1ch

Display Resolution:

1024 pixels(H) x 768 lines(V)

Active Display Area:

304.1mm(H) x 228.1mm(V)

Displayable Color: 16.7M colors

Compatibility:

IBM & VESA
 VESA SXGA 1280 x 1024 60 / 75Hz
 Apple Macintosh
 1024 x 768 75Hz
 SunMicro 1152 x 900, 66 / 76Hz

Input Signal:

- Video: analog RGB 0.7 Vp-p
- Sync: separate sync, composite sync, sync. on green

Auto-adjustment: Yes

I/O Connectors:

- DC power in + VGA in D-sub 15 pin

Power Consumption:

- 35 watt (max.), < 5 watt (off mode) (not including heater)
- 90-260VAC @ 50/60Hz

LCD Agency approval:

FCC-B, CE-B, VCCI-II, BSMI, CCIB, UL, CUL, TUV, CB, TCO '99

Operating Temperature:

- -20 °~-50°C / 32°~122°F • Humidity: 85% maximum w/ Heater

Storage Temperature: • -30°~60°C / -4°~140°F .

- Humidity: 95% maximum w/ Heater
- -10°~60°C / -4°~140°F . Humidity: 95% max

Pressure: Max: 1040hPa; 0m=sea level

Min: 674hPa; 3048m=10,000ft
 Non-operation Alt: 30k ft, 9145m

Vibration & Shock: (non-mil test)

Max: 1040hPa; 0m=sea level
 Min: 674hPa; 3048m=10,000ft

Non-operation Alt = 30k ft, 9145m

Shock Test Spec: (non-mil test)

Accel: 50G

Active Time: 20

Wave Form: half-sin

Times: 1

MTBF: 30,000 hours

Power Supply Options: DC 12/24/48 Volt & 400Hz

Mil Specs: Optional: 461E - 901D - 810

Unit Certs: CE, CSA, CB, Solaris Ready Approved

Weight: 28lbs.