

FD-240

Multi-touch control display



The FD-240 is a 15.6" WXGA desktop X11 terminal and input device. The screen offers a brightness of 500 cd/m² to ensure full sunlight readability under all expected ambient lighting conditions typically encountered on board of Navy ships. The FD-240 features a glove compatible projected-capacitive multi-touch screen supporting up to 4 simultaneous touches and gestures. Combined with an extremely compact, lightweight design, it is perfectly suited for mission-critical operations in naval environments.



Product specification	
Panel size	15.6"
Resolution	1366 x 786 WXGA
Backlight	LED
Brightness	500 cd/m ² (146 fL) typical
Dimming ratio	1000:1
Contrast Ratio	900:1
Viewing angle	± 80° horizontal and vertical
Touch	Glove compatible Projected Capacitive multi touch (4 simultaneous touches)
Vibration operational	MIL-STD-167-1 Type 1
Vibration non-operational (shipping & handling)	MIL-STD-810G Meth 514.6, Cat 2 and Cat 9
Shock	MIL-S-901D Grade A, Class I hard mount
Operational Temperature	MIL-STD-810G Meth 501.5 and Meth 502.5, Proc II high temperature: + 50°C (122°F) low temperature: 0°C (32°F)
Storage Temperature	MIL-STD-810G Meth 501.5 and Meth 502.5, Proc I high temperature: + 70°C (158°F) low temperature: - 40°C (-40°F)
Temperature shock	MIL-STD-810G Meth 503.5, Proc I-C 3 cycles from - 20°C up to + 50°C
Relative Humidity	MIL-STD-810G Meth 507.5, Proc II max 95%
Enclosure (Drip)	MIL-STD-810G Meth 506.5, Proc III
Altitude low pressure	MIL-STD-810G Meth 500.5, Proc I & II operating: between 4,200 ft and -1,900ft non-operating: up to 15,000 ft
Rapid decompression	MIL-STD-810G Meth 500.5, Proc III from 5,000 ft to 35,000 ft
Salt Fog	MIL-STD-810G Meth 509.5 on display FRONT
Sand & Dust	MIL-STD-810G Meth 510.5, Proc I & II on display FRONT
EMI / EMC	MIL-STD-461F - NAVY applications (Surface ships & Submarine internal)
Signal Inputs	X11 over the RJ45 ethernet interface
Power	12 VDC 10% (Switchcraft connector RASPC10PS)
Power consumption	maximum 40W (at full display brightness)
Controls	UP / DOWN / SEL / QUIT / STANDBY in conjunction with OSD
Indicators	Green 'Power' LED, Red 'Fault' LED
OSD	On Screen Display & web interface
Weight	3.35 ± 0.15 kg (7.39 ± 0.33 lbs)
Finishing	Bezel color: Black RAL 9005 Surface treatment: ROHS compliant Chromated Cr3 (MIL-DTL-5541 type II Class 3)

APPROVED FOR PUBLIC RELEASE; DISTRIBUTION IS UNLIMITED

The information and data given are typical for the equipment described. However any individual item is subject to change without any notice.

SCI_FD-240_Specsheet_200511

WWW.SCIOTEQ.COM

