

Ruggedized Displays - LX Series



RUGGED TOUCH MONITORS AND DISPLAY SYSTEMS FOR CHALLENGING ENVIRONMENTS

Designed for durability, reliability, and optimal performance in extreme environments, the Planar LX series is the ideal display solution for mining, heavy industrial, emergency response, marine, and military applications.

Features include an infrared touchscreen, a wide operating temperature range, and IP-rated waterproof and dustproof enclosures. Optically-bonded strengthened glass boosts durability and contrast for at-a-glance readability, and the LED backlight reduces power consumption, improves EMI performance, and extends the life of the display.

We can also customize any of our products with performance films and coatings, unique bezels or MIL-spec cables. With over 27 years of expertise and more than 100 patents, Planar is one of the world's most accomplished display providers.



Mining • Marine • Transportation • Industrial • Avionics

BENEFITS

- Easy field serviceability with common parts and industry standard connections
- Lower total cost of ownership improves the business viability of your fleet display requirements

Ruggedized Displays - LX



SPECIFICATIONS	LX0850RTI	LX1201PTI	LX1250TI / LX1251TI	LX1501PTI
Diagonal Size	8.4"	12.1"	12.1"	15.1"
Native Resolution	SVGA	XGA	XGA	XGA
Touchscreen Type	Infrared (IR)	Infrared (IR)	Infrared (IR)	Infrared (IR), 4096 points of resolution
Touchscreen Interface	USB	USB	USB-HID	USB
Brightness (typical)	700 cd/m ²	800 cd/m ²	650 cd/m ²	1100 cd/m ²
Contrast Ratio (typical)	600:1	600:1	600:1	650:1
Viewing Angle (typical)	160° H, 140° V	130° H, 115° V	140° H, 120° V	80° H, 70° V
Power Consumption (typical)	<12 W	<30 W	<8 W	<45 W
Supply Voltage	8 - 32 VDC	8 - 32 VDC	8 - 32 VDC	8 - 32 VDC
Video Interface	VGA	VGA	VGA	VGA
External Connections	Waterproof D-sub 15-pin, Video Connector, Waterproof USB Type B Locking Connector, Waterproof Locking Power Connector	Waterproof D-sub 15-pin, Video Connector, Waterproof USB Type B Locking Connector, Waterproof Locking Power Connector	LX1250TI - Single military-grade connector with combined VGA/USB/power/audio LX1251TI - Waterproof D-sub 15-pin, Video Connector, Waterproof USB Type B Locking Connector, Waterproof Locking Power Connector	Waterproof D-sub 15-pin, Video Connector, Waterproof USB Type B Locking Connector, Waterproof Locking Power Connector
Features	IP65 Waterproof Enclosure, Direct Sunlight Readability, Optically Bonded Strengthened Glass and Wide Dimming Range	IP65 Waterproof Enclosure, Direct Sunlight Readability, Optically Bonded Strengthened Glass and Wide Dimming Range	Thin Display, LED Backlight, IP65 Waterproof Enclosure, Direct Sunlight Readability, Optically Bonded Strengthened Glass and Wide Dimming Range	IP65 Waterproof Enclosure, Direct Sunlight Readability, Optically Bonded Strengthened Glass and Wide Dimming Range
Dimension (WxHxD)	243 mm x 193 mm x 56 mm (9.56" x 7.59" x 2.20")	325 mm x 262 mm x 67 mm (12.79" x 10.31" x 2.63")	315 mm x 249 mm x 51 mm (12.40" x 9.80" x 2.00")	392 mm x 317 mm x 75 mm (15.43" x 12.48" x 2.95")
Weight	2.3 kg (5.1 lbs.)	3.7 kg (8.2 lbs.)	2.3 kg (5.1 lbs.)	5.5 kg (12.1 lbs)
Approvals	FCC Class A, CE, UL, TUV	FCC Class A, CE, UL, TUV	FCC Class A, CE, UL, TUV	FCC Class A, CE, UL, TUV
Operating Temperature	-20 to +60 °C (-4 to 140 °F)	-20 to +60 °C (-4 to 140 °F)	-20 to +60 °C (-4 to 140 °F)	-20 to +70 °C (-4 to 158 °F)
Storage Temperature	-40 to +85 °C (-40 to 185 °F)	-20 to +70 °C (-4 to 158 °F)	-20 to +85 °C (-4 to 185 °F)	-20 to +80 °C (-4 to 176 °F)
Service and Support	1 Year standard return to depot, Bronze (p/n 990-0300-00) and Silver (p/n 990-0213-00) extended warranties are optional	1 Year standard return to depot, Bronze (p/n 990-0300-00) and Silver (p/n 990-0213-00) extended warranties are optional	1 Year standard return to depot, Bronze (p/n 990-0300-00) and Silver (p/n 990-0213-00) extended warranties are optional	1 Year standard return to depot, Bronze (p/n 990-0300-00) and Silver (p/n 990-0213-00) extended warranties are optional

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