



5" LifeDisplay Specifications

The 5" LifeDisplay

The LifeDisplay provides real-time fatigue levels and alarms via a user-friendly interface. The Life Display is designed to work in any location (with or without network connectivity). It also has full GNSS support.

SmartCap's technology complies with all relevant international standards and is suited for all working environments, including mining, transport and construction.



LifeDisplay Features

Intelligent on-board processor

Quad-core ARM Cortex-A7 @ 1.0 GHZ

Easy to read display

Flat and ultrathin front bezel with high brightness 5" TFT LCD 960 x 540 pixels

Class-leading connectivity

Built-in WiFi (WLAN 802.11a/b/g/n/ac),

Bluetooth 4.1 BLE, Ethernet

Complete Network Compatibility

3G WCDMA/HSPA+ (Bands 1, 2, 5, 8)

Iridium satellite optional

GNSS Support

GPS/GLONASS/Beidou, accuracy up to 2m CEP

Select one of two antennas (not included):

- Low profile easy mount antenna [Part #: 900-00068]
- Rugged pole mount antenna [Part #: 900-00067]

Easy to install

Tamper resistant mounting bracket with standard RAM® Mount

Power Input

12VDC input voltage

Country of Origin

Manufactured in Taiwan

Environmental Requirements

Operating temp:	-10° to 50°
Non-operating temp:	-20° to 60°
Relative Humidity:	5% to 90%
Ingress protection:	IP65 front bezel

System

CPU	Dual-core ARM Cortex-A7 1.0GHz
Memory	512MB LPDDR2
Flash	4GB eMMC

Peripherals and Devices

Audio	1 x built-in speaker (0.8W) 1 x built-in microphone
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Wireless

WLAN	Integrated IEEE 802.11a/b/g/n/ac
Bluetooth	Bluetooth 4.1 (BLE, HS compliant)
WWAN	2G GSM/GPRS/EDGE (Band 850 / 900 / 1800 / 1900) 3G WCDMA/HSPA+ (Band 1,2,5,8)
GPS (Optional)	GPS/GLONASS/Beidou

I/O Interface

USB	2 x USB 2.0 High Speed (firmware upgrade)
LAN	1 x 10/100 Mbps
RS-232	1 x RS-232/422/485 (DB-9 male) software configurable
SIM card	1 x mini-SIM (2FF) slot
DC-in	2-pin terminal block
Button	1 x Power button (reset function button)

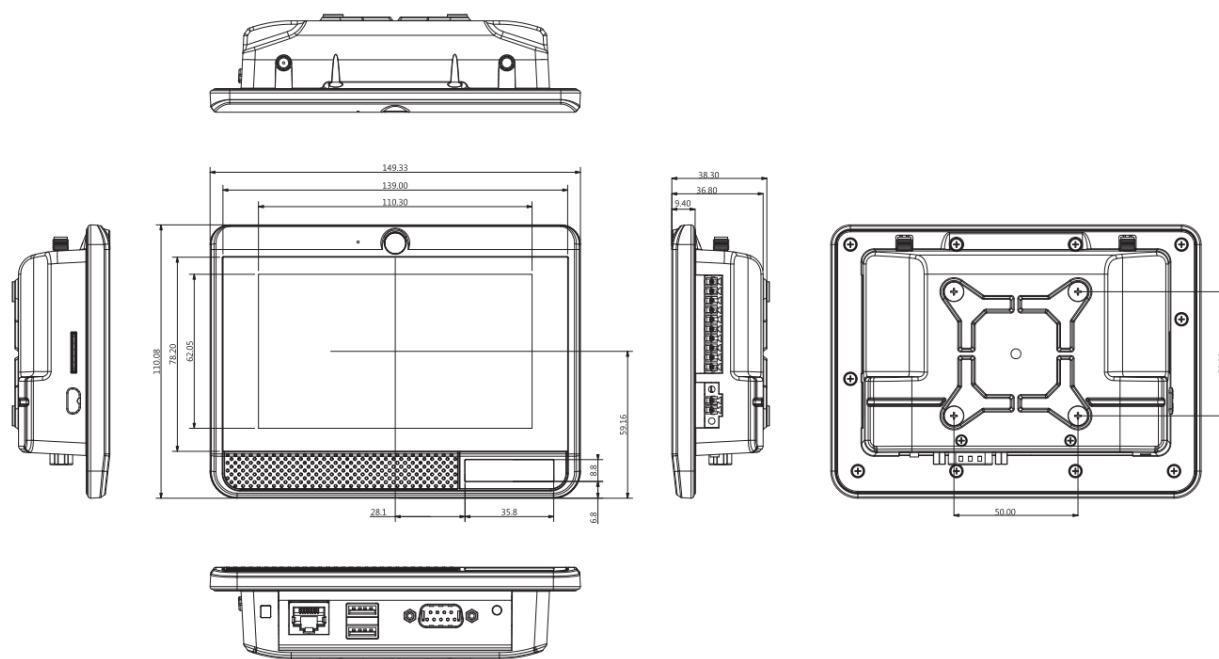
LCD Display

Size/Type	5" TFT LCD
Max. Resolution	960(W) x 540(H)
Brightness (cd/m ²)	350 cd/m ²
Touch Screen	5 points capacitive touch (PCT)

Power Input

DC Input	2-pin terminal block 12VDC Reverse polarity and overvoltage protection
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Dimensions	154 x 125 x 59 mm (6.0 x 4.9 x 2.3 in)
Weight	Under 350 grams



Dimensions	200 x 200 x 60mm (7.9 x 7.9 x 2.4in)
Weight	900 grams (2lbs)

Compliance

Complies with strict international standards (FCC, CE)

R&TTE Directive (Europe)

Radio Spectrum R&TTE, Article 3.2	EN 301 511, v9.0.2 / EN 301 908-1, v7.1.1 / EN 301 908-2, v6.2.1 / EN 300 328, v1.9.1 / EN 301 893, v1.8.1 / EN 300 440-1, v1.6.1 / EN 300 440-2, v1.4.1
EMC R&TTE, Article 3.1b	EN 301 489-1, v1.9.2 / EN 301 489-3, v1.6.1 / EN 301 489-7, v1.3.1 / EN 301 489-17, v2.2.1 / EN 301 489-24, v1.5.1 / EN61000-6-1:2007 / EN 61000-6-3:2007+A1:2011
Safety R&TTE, Article 3.1a	EN 60950-1:2006+A11:2009 +A1:2010+A12:2011+A2:2013
Health R&TTE, Article 3.1a	EN 62311:2008 / EN 50385:2002

FCC (USA)

- FCC Part 22H
- FCC Part 24E
- FCC Part 15E & FCC Part 15C

What's Included?

Life Display 5"

3G antenna (Part #: 431-00008)

Bluetooth/WiFi antenna (Part #: 900-00070)

Accessories/Spares

GPS:	900-00066	LD5 GPS Antenna (Indoor)
	900-00067	LD5 GPS Antenna (Outdoor)
Installation:	900-00064	Standard Mounting Kit
	900-000xx	Security Mounting Kit
Satellite:	900-00051	ITAS Iridium Transceiver Antenna
	840-00027	LD ITAS Cable (3500mm)
	840-00028	LD ITAS Cable (6000mm)