

INFORMATION



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MED-Line 15.6

High End Touch Monitor for medical Use

One partner, unlimited technology solutions

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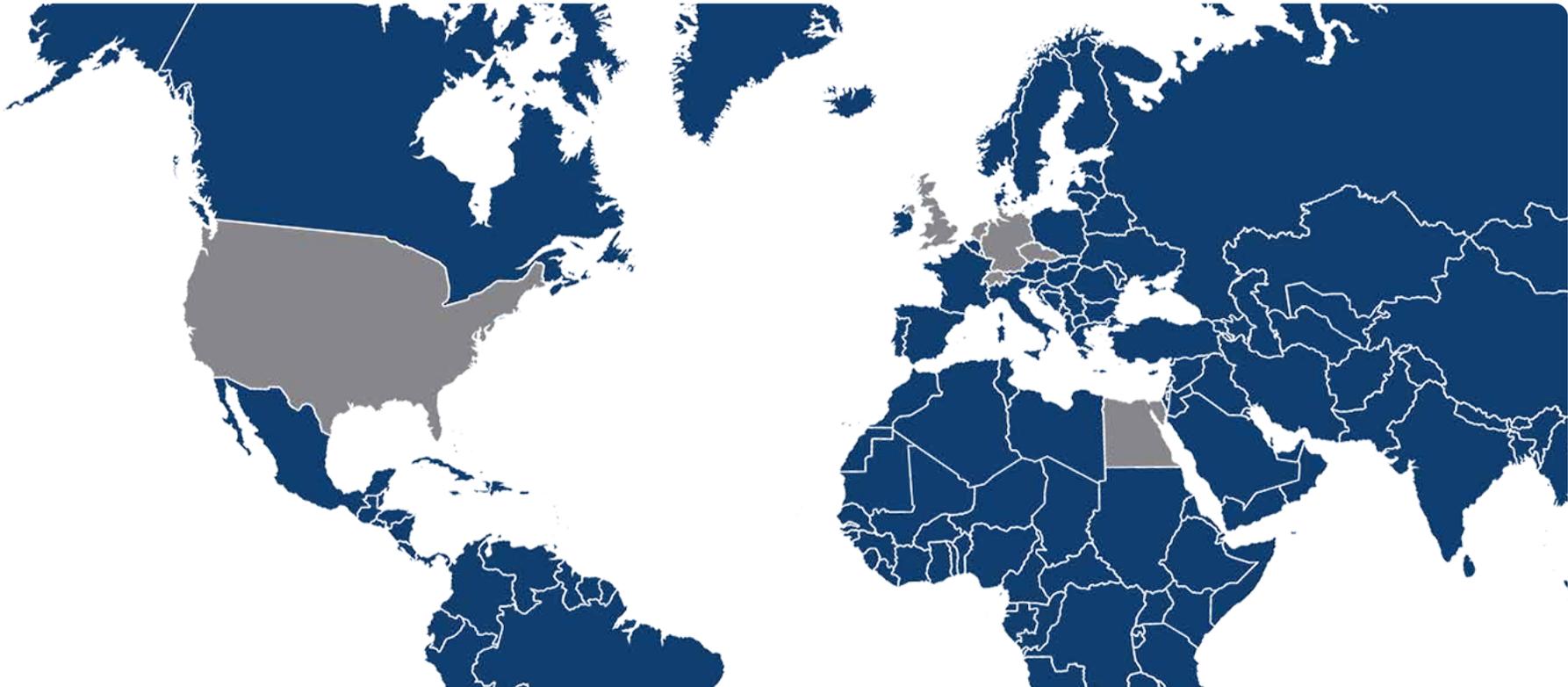
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Product Features

MED-Line 15.6

High End PCAP Monitor

Light Sensor

Front Control



The white, state-of-the-art 15.6" touch monitor from FORTEC Integrated sets new standards in medical technology. With its advanced technology and elegant design, it is the ideal flexible platform for medical facilities that value quality and reliability.

Highlights include the one-cable solution, a control panel that checks functionality and visually indicates it and locks the unit's function in case of an emergency.

A flexibly configurable connectivity box that can provide various data for the platform ensures that the solution meets the latest cybersecurity requirements.

Monitor description

- IP65 proof front monitor solution
- The monitor's reference design is customizable to customer specifications
- Automatic function testing and display
- Flexibly configurable connectivity box for security-compliant data transmission
- One-cable solution
- **Light sensor:** Automatically adjusts display brightness
- **Proximity sensor:** Detects if someone is in front of the monitor
- **Integrated camera:** Perfect for telemedicine applications
- **NFC reader:** For fast and secure authentication
- **Front control buttons:** Simple and intuitive operation
- Complete integration into ISO 13485 designs possible



Panel | Housing

MED-Line 15.6

	Measure	Description
Version		Medical PCAP Monitor
Panel Diagonal	[mm] / [Inch]	396.24 15.6
Pixel class		ISO 9241-307 (pixel error class II)
Resolution	[Pixel]	1920 x 1080 (FHD)
Luminance (center)	[cd/m ²]	500
Viewing angle (U/ D/ L/ R)	[°]	80/ 80/ 80/ 80
Active area (H/V)	[mm]	293.5 x 165.1
Backlight & Number of colors	[M]	LED 16.7
Contrast ratio		1000:1
Response time (on/off)	[ms]	25
Life time back light until reaching half brightness	[h]	30.000
Continuous operating time	[h] / [d]	24/ 7
Mounting	[mm]	special solution, supporting arm
Storage temperature	[°C] / [°F]	-20 ~ 60 / -4 ~ 140
Operating temperature	[°C] / [°F]	- 10 ~ 60 / 14 ~ 140
Storage & Operation humidity	[%]	30 ~ 75 (non condensing)
Panel orientation		Landscape
Housing		Front: Glass with Touch, passepartout white Backside: white plastic, matt
Touchscreen number of points glass thickness [mm]		PCAP 10 ESG 1.8 antiglare
Surface treatment (optionally)		Anti bacterial (Kastus) Coating
Chemical resistance		75% medical alcohol, 0.5% MeOH, 0.5% OPA, 2% glutaraldehyde, Sanitizer, NaOH made soapy water
Surface hardness		7H
Power supply	[V/ DC]	21-29 max. 2A under normal operation
Standby		5V, max 20 mA (only for On/ Off button)
Conformity		CE, EU-RoHS others on request



Medical PCAP Monitor 15.6 front view

All figures are typical values. The real values of the panel may vary. The optical characteristics are determined after the panel has been „ON“ for approximately 30 minutes at an ambient temperature of 25° C (77° F).

Life time of the backlight is defined as the time to take until the brightness reduces to 50% of its original value.

Electronic Components | Options

MED-Line 15.6


Medical PCAP Monitor 15.6

	Measure	Description
Version		Medical PCAP Monitor
Interface		eDP
External cabling out		2 x USB, 1 x eDP, 1 x AIO (see drawing)
Light Sensor		Warning light, color detection sensor, R/ G/ B colors
Microphone		Microphone Array or stereo microphone (no noise deduction)
Buttons		OSD button and 2 touch buttons reserved
Motion Detector		by MCU, ST VL6180X
Packaging		Single packaging
Package Contents		Safety instructions
OPTIONS		
Camera		Resolution: 2592(h)x1944 (V) Pixel Size 2.20µm x 2.20µm Optical Format: 1/2.5-inch, 5MP Shutter type: ERS ADC: 10bit Sensitivity: 2400 mV/Lux-scc Scan mode: progressive scan Max. Frame rate: 2592x1944 HDR@30fps Temperature (Operation) -30°C to 75°C Temperature (Stable Image) 0°C to 50°C Sensitivity 10v / lux-sec
NCF Reader		Interface: USB CCID Frequency: 13.56MHz Standard: ISO14443A Card Support: Mifare 1K/4K, FM11RF08, Ultralight, Ntag203, Nta213, Ntag215, Ntag216 Reading distance: 50mm Status LED: Dual color Red & Green Beamer: yes Power: USB 5V Working current: 70ma Operation temperature: -20 to 85 Support: Read and Write
Medical Certification		EN55032:2015/EN55035:2017; EN 61000-3-2:2014/ EN 61000-3-3:2013

Accessories

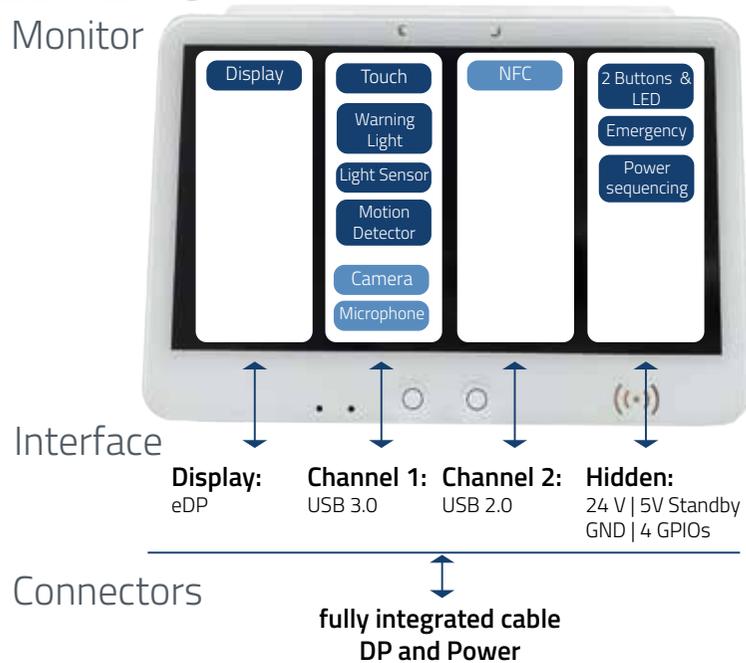
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Power | Cable

Article	order no.	Description
Power supply 12V/ 5A	NT-01-062	AC Adapter C14/12V5A
Power cord EU	DB-07-225	IEC PowerCord (EU-C13) 3x0,75 black, 1,8m
Power cord UK	DB-07-226	Power Cord (UK - C13) black, 1,8m
Power cord USA	DB-07-238	Power Cord (US-C13) black, 1,8m/6 feet
DisplayPort cable	KA-40-105	Cable DisplayPort 1.2 4k male/ male, 2m

Schematic Illustration

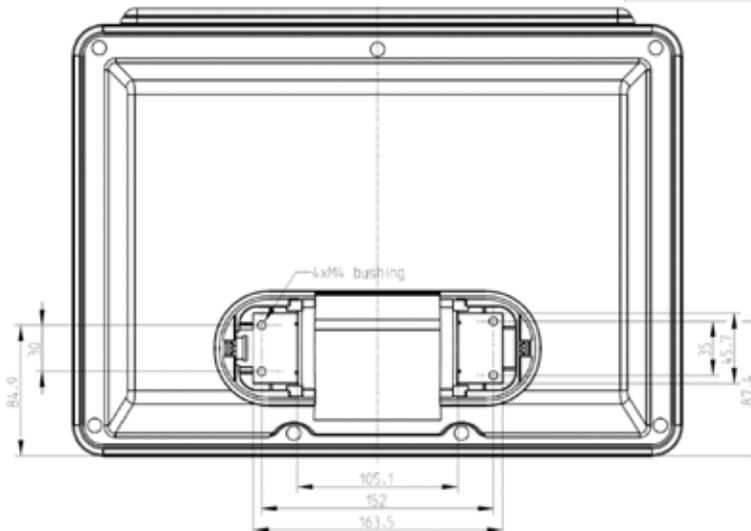
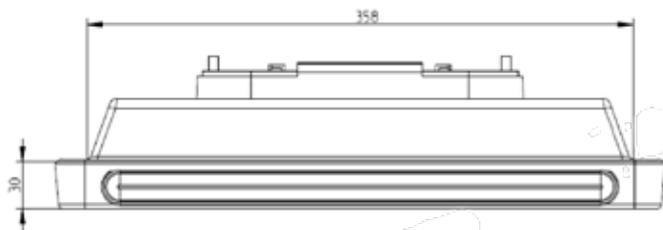
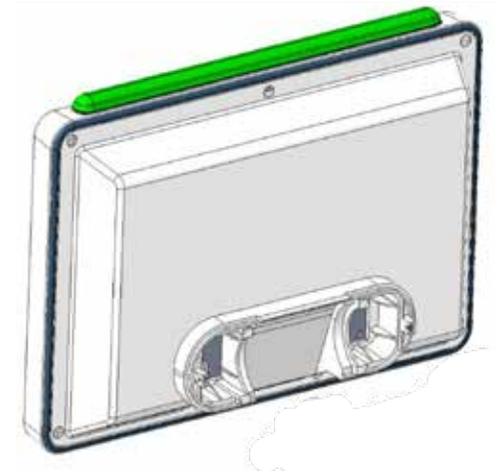
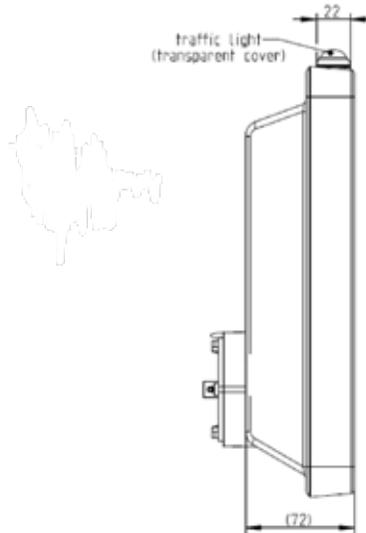
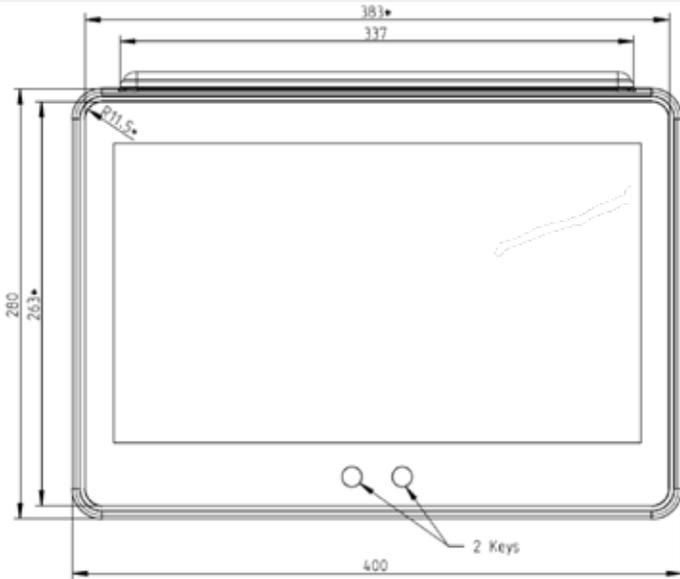
MED-Line Monitor



- Standard
- Option

Drawings

MED-Line 15.6



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