12.1" PCAP Touch Medical Monitor
CM-ME121P

Modern, compact design

Programmable soft buttons with one-click touch screen disable/enable

1024 x 768 Resolution

500 Nits Brightness

Front IP65 rated for dust and water ingress protection

160/160 wide viewing angle

IEC 60601 & IEC 61326 Medical Certification

PCAP multi-touch supports up to 10-point touch

24V/1.5A Medical Power Adapter with Locking Mechanism (Sold Separately)

USB Hub for powering connected devices

Long Life, Revision Controlled

Specifications

Display

Model	CM-ME121P
LCD Size / Type	12.1" TFT LCD
Panel Ratio	4:3
Max. Resolution	1024 x 768
Typ. Brightness	500 nits (w/o touch screen) 450 nits (w/ touch screen)
Contrast Ratio	700:1
Pixel Pitch	0.24 x 0.24 mm
Active Area	245.76 (H) x 184.32 (V) mm
Backlight	WLED
Backlight Life	30,000 hours
Display Colors	16.2 M
Viewing Angle	160/160 (H/V)
Response Time	35 ms (Tr + Tf)
Color Temperature	9300K, 6500K, User
Display Modes	700 x 400, 640 x 480, 640 x 350, 800 x 600, 1024 x 768

Touch

Touch Technology	Projected Capacitive
Multi-Touch Point	Up to 10 points
Input Method	Finger, Thin Gloves
Interface	USB
Touch Controller	EETI
Multi-Touch OS Support	Win 7, Win 8, Win 10, Linux, QNX 6.51
Single-Touch OS Support	Win 7, Win 8, Win 10, Linux, QNX 6.51

Power Requirements

Power Input	24V DC
Power Consumption (Typ.)	< 20 W
Power Adapter	AC to DC, DC 24V/ 1A, 24W Adapter (Sold Separately)

Interface

HDMI	x1
VGA	x1
USB 2.0	x2
DC Power	5.5 mm / 2.5 mm x1 (locking barrel)
Audio	2.5 W (8 ohm) speaker x 1 (rear facing)

Physical Properties

Dimensions (WxDxH)	310.68 x 248.68 x 49 (mm)
Net Weight	3.7 Kg
Mounting	VESA Mount (75 x 75)
Chassis Color	Black (default) / White (optional)

Environment

Operating Temperature	5 to 40 °C
Storage Temperature	-10 to 60 °C
Operating Humidity (RH)	20 to 85% (non-condensing)
Storage Humidity (RH)	10 to 90% (non-condensing)
IP Rating	Front IP65 Dust & Water Resistant

Regulatory Certifications

EMC & Safety	FCC-B, CE
Medical	IEC 61326-1:2012, IEC 60601-1-2:2014
RoHS	RoHS 3

Post-Production Support

Warranty	1-Year Standard Extended warranty options available

* Specification subject to change without notice. Updated November 2, 2020.

Images

I/O Diagram
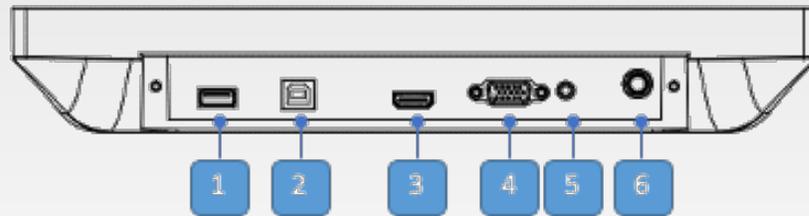
Rear I/O		Description
1	USB-A	USB type A connect to USB device
2	USB-B	USB type B connect to Host
3	HDMI	HDMI input
4	VGA	VGA input
5	AUX IN	Stereo input, 3.5mm phone jack

6	DC	DC 24V input (screw locking Ø 5.5mm/ Ø 2.5mm)

Mechanical Drawings
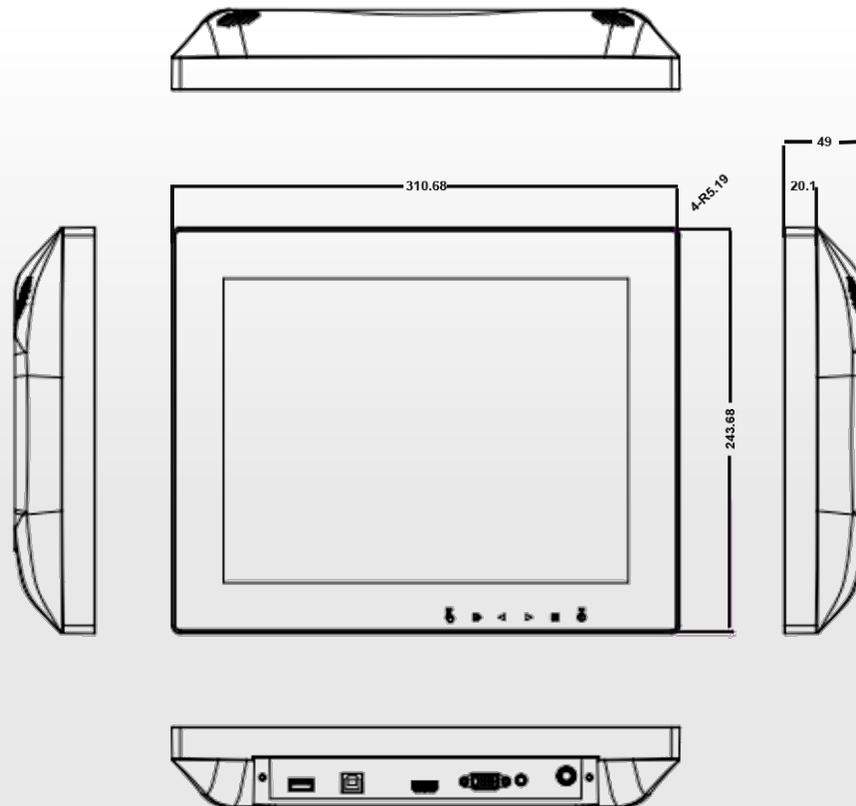
Touch Key Functions

No.	Function	Description
1	Power (Blue LED)	Toggle power on/off Blue = Power on Dark = Power off
2	Menu	Enter the OSD Menu Access the OSD sub-menu and selection
3	Right	OSD selection and adjustment
4	Left	OSD selection and adjustment
5	Exit	Exit OSD menu/sub-menu Change input source function
6	Touch Lock (Red LED)	Touch panel lock and unlock Red = Touch lock (Touch screen disabled) Dark = Touch unlocked (Touch screen works normally)

Power Adapter (Sold Separately)
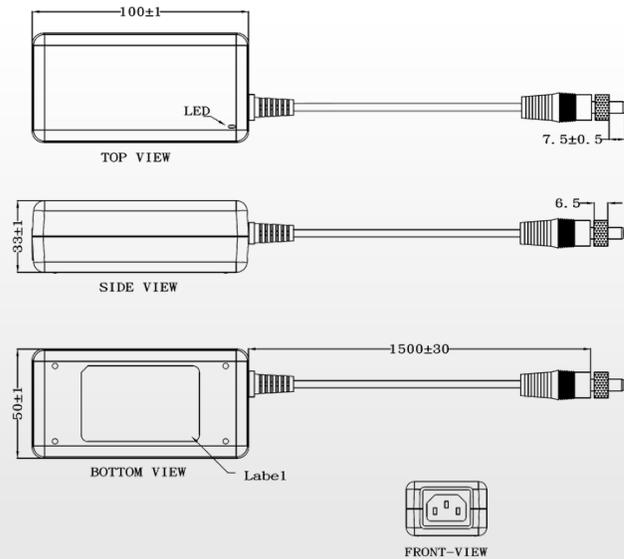
Ordering Information

Part Number	Description
CM-ME121P50XG	12.1" 450 Nits, 1024x768, PCAP Touch Medical Display
23224	24V/1.5A Medical Power Adapter w/ locking type DC plug for CM-ME121P50XG

Buy Online (U.S. Customer Only): www.ContecAmericas.com

Contec Americas Inc.
3991 Sarno Rd.
Melbourne, FL 32934

Toll Free: (888) 285-0172
Local: (321) 728-0172
Email: sales@us.contec.com
Global Website: www.Contec.com