

Introduction



Chapter 1

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Introduction

C-more Touch Panel Monitors are color TFT LDC flat panel touchscreen monitors designed for industrial applications meeting UL61010 requirements with an IP65 rating. Each monitor accepts standard analog VGA and HDMI video inputs and supports up to 1920 x 1080 resolution and a 16:9 wide aspect ratio. The touchscreen is a 7H hardness, 10-point, PCAP touchscreen with an anti-fingerprint coating. Each ships with a barrel to terminal adapter allowing for power to be supplied by a standard 12VDC brick-style power supply or an industrial power supply. Monitors can be panel mounted (clips sold separately) or with standard VESA mount.

Features

- 16:9 Aspect Ratio with 10-point PCAP Touch screen
- Supports 1920 x 1080 pixels max
- Wide viewing angles
- Support for both portrait and landscape
- Anti-fingerprint surface for easy cleaning and readability
- IP65 rating for water and dust protection certified by SGS
- UL61010 for Industrial applications
- HDMI x1, VGA x1
- Supports both panel and VESA mounting options
- 2-year warranty
- Thin design less than 2 inches behind the bezel
- USB PCAP Touchscreen
- 7H hardness Glass Touchscreen
- Panel and VESA Mounting supported

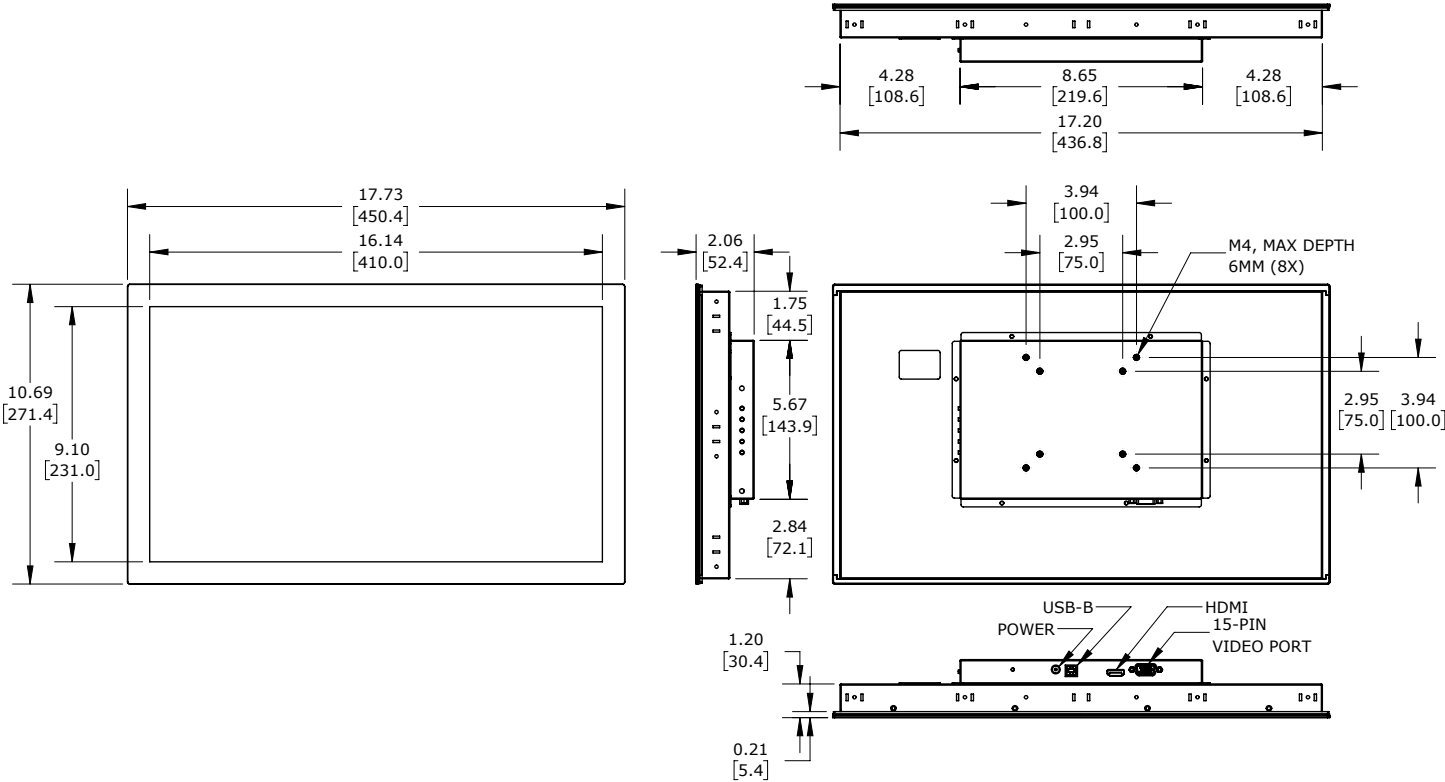
Supported Video Modes — VGA and HDMI

Video Modes					
<i>Resolution</i>	<i>Frequency (Hz)</i>	<i>CTM-18W-M-PM</i>	<i>CTM-22W-M-PM</i>	<i>CTM-24W-M-PM</i>	<i>CTM-27W-M-PM</i>
640 x 480(VGA)	60	Supported	Supported	Supported	Supported
640 x 480(VGA)	75	Supported	Supported	Supported	Supported
720 x 400	70	Supported	Supported	Supported	Supported
800 x 600(SVGA)	60	Supported	Supported	Supported	Supported
800 x 600(SVGA)	75	Supported	Supported	Supported	Supported
1024 x 768(XGA)	60	Supported	Supported	Supported	Supported
1024 x 768(XGA)	75	Supported	Supported	Supported	Supported
1280 x 720(HD)	50	Supported	Supported	Supported	Supported
1280 x 720(HD)	60	Supported	Supported	Supported	Supported
1280 x 800(WXGA)	60	Supported	Supported	Supported	Supported
1280 x 1024(SXGA)	60	Supported	Supported	Supported	Supported
1280 x 1024(SXGA)	75	Supported	Supported	Supported	Supported
1366 x 768(FWXGA)	60	Supported	Supported	Supported	Supported
1440 x 900(WXGA+)	60	Supported	Supported	Supported	Supported
1680 x 1050(WSXGA+)	60	Supported	Supported	Supported	Supported
1920 x 1080(FHD)	50	Supported	Supported	Supported	Supported
1920 x 1080(FHD)	60	Supported	Supported	Supported	Supported

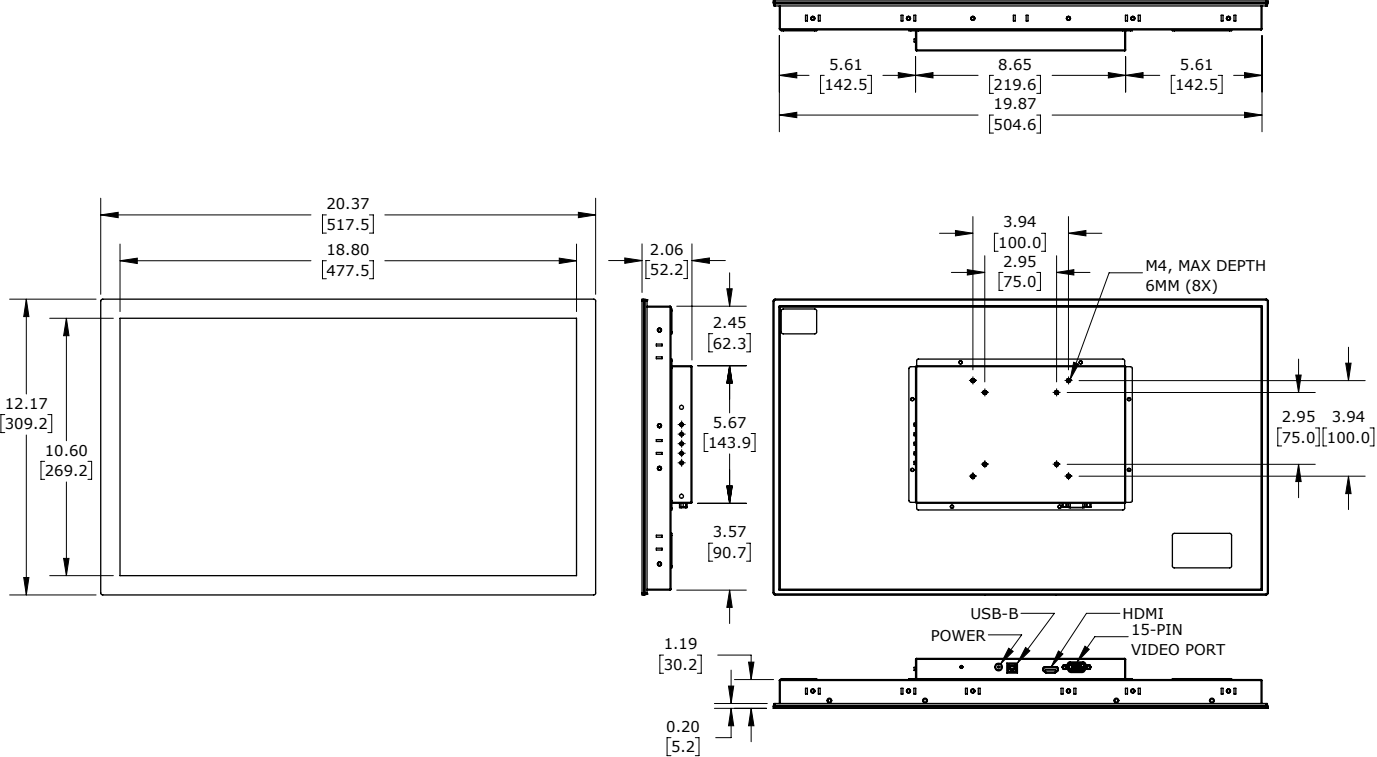
Specifications

LCD Monitor Specifications				
Part Numbers	CTM-18W-M-PM	CTM-22W-M-PM	CTM-24W-M-PM	CTM-27W-M-PM
Size	18.5 in	21.5 in	23.8 in	27 in
PDF Drawings	PDF	PDF	PDF	PDF
DISPLAY				
Display Type	TFT LCD			
Display Diagonal Size	18.5 in	21.5 in	23.8 in	27 in
Display Size (Active Area H x W)	9.1 x 16.1 [231.14 x 408.94]	10.6 x 18.8 [269.24 x 477.52]	11.7 x 20.8 [297.18 x 528.32]	13.3 x 23.6 [337.82 x 599.44]
Resolution (Max.)	1920 x 1080 pixel			
VESA Modes Supported	MIS-D 75 mm x 75 mm,100 mm x 100 mm			
Displayable Colors	16.7 M colors			
Brightness, Typical	300 nits	400 nits	200 nits	240 nits
Contrast Ratio, Typical	1000:1		3000:1	
Aspect Ratio	16:9			
Viewing Angle (U/D/R/L)	89/89/89/89		85/85/85/85	
Backlight Life (Hours)	50,000	30,000		40,000
Display Input Signal	HDMI x1, VGA x1			
Touchscreen	10-point anti-fingerprint coating			
Interface	USB B			
Bonding	Air Bonding			
PHYSICAL				
Overall Monitor Dimensions (H x W x D)	17.72 x 10.67 x 2.06 [450.36 x 271.29 x 52.44]	20.37 x 12.17 x 2.06 [517.5 x 309.2 x 52.2]	22.46 x 13.38 x 2.06 [570.4 x 339.9 x 52.4]	25.24 x 14.79 x 2.10 [641.0 x 375.6 x 53.4]
Cutout Dimensions (H x W)	10.29 x 17.23 [261.5 x 437.81]	11.72 x 19.90 [297.9 x 505.6]	12.99 x 21.80 [330.0 x 553.8]	14.54 x 24.70 [369.3 x 627.4]
Chassis Construction	Steel			
Weight	9.3 lb [4.2 kg]	10.6 lb [4.8 kg]	13.7 lb [6.2 kg]	16.5 lb [7.5 kg]
Shipping Weight	11.5 lb [5.2 kg]	13.2 lb [6.0 kg]	16.0 lb [7.3 kg]	19.5 lb [8.8 kg]
ELECTRICAL				
DC Input Voltage	12 VDC			
DC Input Current	2.1 A	2.65 A	1.85 A	2.25 A
Power Consumption	20 W	25.4 W	17.5 W	23.8 W
ENVIRONMENTAL				
Operating Temperature	32 to 158 °F [0 to 70 °C]	-4 to 140 °F [-20 to 60 °C]	32 to 122 °F [0 to 50 °C]	
Storage Temperature	-4 to 158 °F [-20 to 70 °C]	-4 to 140 °F [-20 to 60 °C]		
Operating and Storage Humidity	10% to 80% @ 104 °F [40 °C] (non-condensing)			
Surface Hardness	7H			
Operating Shock	20G acceleration part to part, 11ms			
Operating Vibration	1G random 5 to 500Hz			
Altitude	<2000m			
Pollution Degree	2			
AGENCY				
Environmental	IP65 (front)			
FCC	Yes			
Compliance Certifications	CE, RoHS, CAN/CSA C22.2 No. 61010-1-12, CAN/CSA-C22.2 No. 61010-2-201:18			
Safety Agency Approvals	UL61010-1, UL61010-2-201			
Note: Dimensions are given as inches [millimeters] unless otherwise specified.				

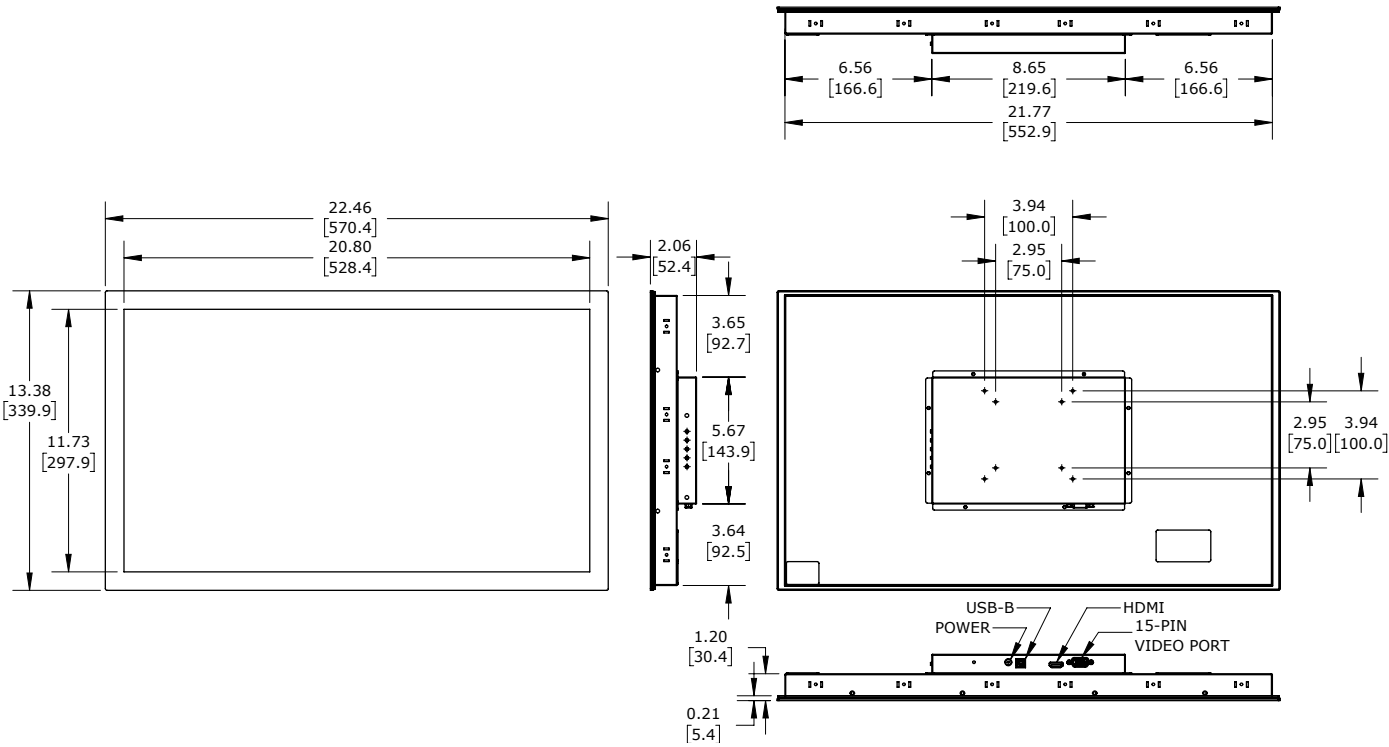
Front, Back, and Side Views of Monitor CTM-18W-M-PM



Front, Back, and Side Views of Monitor CTM-22W-M-PM



Front, Back, and Side Views of Monitor CTM-24W-M-PM



Front, Back, and Side Views of Monitor CTM-27W-M-PM

