

# TM-Series

LED-backlit Display 23" | 22"

## The Value Interactive Multi-touch Displays



Crafted with advanced projected capacitive 10-point touch technology, the TM-Series not only delivers smooth and precise touch response, but also enables more creative and exciting interactive applications. Delivering seamless compatibility with Windows® 7, 8 & 10 touch functions, the Full HD resolution and versatile connectivity make it easily connected with media source and peripheral devices. Its height adjustability and tilt flexibility ranging from -5 to 90 degrees guarantee ergonomic-friendliness and multi-user comfort, making it a value choice for public and interactive environments.



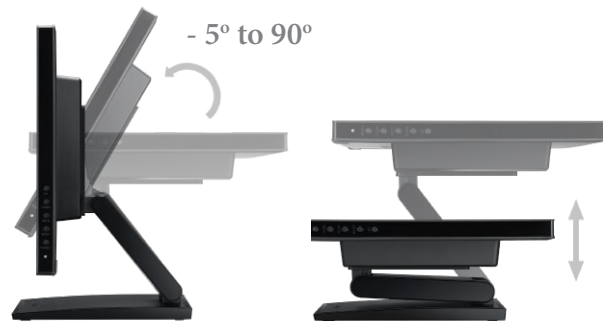


### 10-Point Multi-Touch Stylish Display

Based on Projected Capacitive Touch Technology, the TM-Series provides 10-point touch capability and boosts pointing precision significantly with seamless touch sense. With a true flat surface and edge-to-edge glass overlay, the TM-Series offers an invitingly modern appeal that fits the professional environments.

### Maximise Multi-user Comfort

With a flexible dual-hinge stand, the TM-Series provides height adjustability and a wide tilt range from  $-5^{\circ}$  to  $90^{\circ}$  that optimise multi-user comfort and productivity. Given a wide ( $178^{\circ}$ ) viewing angle\*, it allows multiple users to comfortably share a single display at the same time.



### Easy Integration

10-point touch capability plug and play for systems with Windows 7/8/10 and versatile connectivity, VGA, HDMI, DisplayPort, enable effortless system integration for creative and exciting interactive applications. The built-in USB Port (USB 3.0) also allows easy connection with peripheral devices

### Features

- Full HD 1920 x 1080 resolution
- IPS Panel technology offers high colour accuracy and wide viewing angles ( $23^{\circ}$  only)
- Flush touch screen makes surface neat and clean
- Versatile connectivity: DisplayPort, HDMI, VGA
- Incorporates projected capacitive touch technology
- Windows 10 ready - plug and play support for Windows 7/8/10
- Built-in USB 3.0 Port for easy connection with storage devices
- Flicker-free display technology reduces eye discomfort
- Built-in speakers

- Kensington security slot
- VESA mount compatibility for flexible installation
- Flexible dual-hinge stand design to maximise viewing comfort for multiple users
- Tilt capacity from  $-5^{\circ}$  to  $90^{\circ}$

\* Product features may vary by models



## Specifications

		TM-23	TM-22
Panel	Panel Type	LED-Backlit TFT LCD (IPS Technology)	LED-Backlit TFT LCD (TN Technology)
	Panel Size	23.0"	21.5"
	Max. Resolution	FHD 1920 x 1080	FHD 1920 x 1080
	Pixel Pitch	0.265 mm	0.248 mm
	Brightness	250 cd/m <sup>2</sup>	250 cd/m <sup>2</sup>
	Ratio	20,000,000:1 (DCR)	20,000,000:1 (DCR)
	Viewing Angle (H/V)	178°/178°	170°/160°
	Display Colour	16.7M	16.7M
	Response Time	5 ms	3 ms
	Frequency (H/V)	H Freq. V Freq.	30 kHz-83 kHz 50 Hz-76 Hz
Input	DisplayPort	x 1	x 1
	HDMI	1.3 x 1	1.3 x 1
	VGA	15-Pin D-Sub x 1	15-Pin D-Sub x 1
Other Connectivity	USB	USB HUB (3.0 x 4)	USB HUB (3.0 x 4)
	Audio	Audio In Internal Speakers	Stereo Audio Jack (3.5 mm) 2W x 2
Touch Screen	Technology	Projective Capacitive	Projective Capacitive
	Positional Accuracy	± 1.0 mm	± 1.0 mm
	Panel Interface	USB (Type-B)	USB (Type-B)
	Multi-touch Plug & Play Single Touch Support by Driver	10-point touch for Windows 7/8/10 Windows XP	10-point touch for Windows 7/8/10 Windows XP
Power	Power Supply	Internal	Internal
	Power Requirements	AC 100-240V, 50/60 Hz	AC 100-240V, 50/60 Hz
	On Mode	23W (On)	22W (On)
	Stand-by Mode Off Mode	< 0.5W < 0.5W	< 0.5W < 0.5W
Glass	Thickness	2.4 mm (0.09")	2.4 mm (0.09")
	Transmission Rate	> 90%	> 90%
	Hardness	> 7H	> 7H
Operating Conditions	Temperature	0°C-40°C (32°F-104°F)	0°C-40°C (32°F-104°F)
	Humidity	10%-85% (non-condensing)	10%-85% (non-condensing)
Storage Conditions	Temperature	-25°C-55°C (-13°F-131°F)	-25°C-55°C (-13°F-131°F)
	Humidity	5%-93% (non-condensing)	5%-93% (non-condensing)
Mounting	VESA FPM/PMI	Yes (100 mm x 100 mm)	Yes (100 mm x 100 mm)
Stand	Tilt	-5° to 90°	-5° to 90°
	Height Adjustment	131.5-400.0 mm	122.0-387.4 mm
Security	Kensington Security Slot	Yes	Yes
Dimensions	w/Base (W x H x D)	561.0 x 400.0 x 238.5 mm (22.1" x 15.7" x 9.4")	522.4 x 387.4 x 238.5 mm (20.6" x 15.3" x 9.4")
	Packaging (W x H x D)	632.0 x 448.0 x 186.0 mm (24.9" x 17.6" x 7.3")	586.0 x 422.0 x 186.0 mm (23.1" x 16.6" x 7.3")
Weight	w/Base	6.6 kg (14.6 lb)	6.3 kg (13.9 lb)
	Packaging	8.7 kg (19.2 lb)	8.1 kg (17.9 lb)
Regulation Approval	Certifications & Compliance	FCC, CE, CB, BSMI, WEEE, RoHS, REACH, EAC, RCM	FCC, CE, CB, WEEE, RoHS, REACH, EAC
Accessories	Supplied	Power Cord, VGA Cable, Audio Cable, USB Cable, Warranty Card, CD	Power Cord, VGA Cable, Audio Cable, USB Cable, Warranty Card, CD
Optional Accessories		Wall Mount: PMK-01	Wall Mount: PMK-01
		Wall Mounts (Landscape only): WMK-01, WMK-03	Wall Mounts (Landscape only): WMK-01, WMK-03

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