

## TM-Series LED-backlit Display 22" | 23"

### 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.



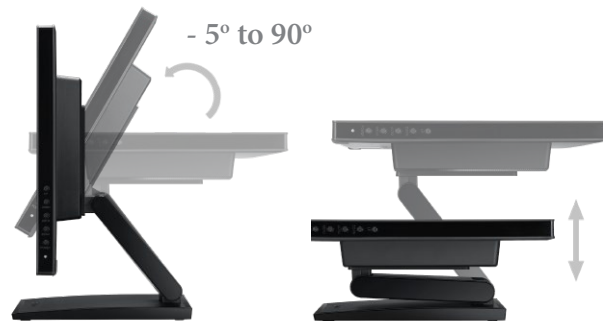


### 10-Point Multi-Touch Stylish Display

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-22

## TM-23

### Panel

Panel Type	LED-Backlit TFT LCD (TN Technology)	LED-Backlit TFT LCD (IPS Technology)
Panel Size	21.5"	23.0"
Max. Resolution	FHD 1920 x 1080	FHD 1920 x 1080
Pixel Pitch	0.248 mm	0.265 mm
Brightness	250 cd/m²	250 cd/m²
Contrast Ratio	20,000,000:1 (DCR)	20,000,000:1 (DCR)
Viewing Angle (H/V)	170°/160°	178°/178°
Display Colour	16.7M	16.7M
Response Time	3 ms	5 ms

### Frequency

Frequency (H)	30 kHz-83 kHz	30 kHz-83 kHz
Frequency (V)	50 Hz-76 Hz	50 Hz-76 Hz

### Signal 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)
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### Audio

Audio In	Stereo Audio Jack (3.5 mm)	Stereo Audio Jack (3.5 mm)
Internal Speakers	2W x 2	2W x 2

### Touch Screen

Panel Interface	USB (Type-B)	USB (Type-B)
Technology	Projective Capacitive	Projective Capacitive
Positional Accuracy	± 1.0 mm	± 1.0 mm
Multi-touch Plug & Play	10-point touch for Windows 7/8/10	10-point touch for Windows 7/8/10
Single Touch Support by Driver	Windows XP	Windows XP

### Power

Power Supply	Internal	Internal
Power Requirements	AC 100-240V, 50/60 Hz	AC 100-240V, 50/60 Hz
On Mode	14W (On)	14W (On)
Stand-by Mode	< 0.5W	< 0.7W
Off Mode	< 0.3W	< 0.3W

### 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 FPMPI	Yes (100 x 100 mm)	Yes (100 x 100 mm)
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### Stand

Tilt	-5° to 90°	-5° to 90°
Height Adjustment	122.0-387.4 mm	131.5-400.0 mm

### Security

Kensington Security Slot	Yes	Yes
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### Dimensions

Product with Base (W x H x D)	522.4 x 387.4 x 238.5 mm (20.6" x 15.3" x 9.4")	561.0 x 400.0 x 238.5 mm (22.1" x 15.7" x 9.4")
Product w/o Base (W x H x D)	522.4 x 318.4 x 57.2 mm (20.6" x 12.5" x 2.3")	561.0 x 338.2 x 57.2 mm (22.1" x 13.4" x 2.3")
Packaging (W x H x D)	586.0 x 422.0 x 186.0 mm (23.1" x 16.6" x 7.3")	632.0 x 448.0 x 186.0 mm (24.9" x 17.6" x 7.3")

### Weight

Product w/o Base	3.9 kg (8.6 lb)	4.3 kg (9.5 lb)
Product with Base	6.3 kg (13.9 lb)	6.6 kg (14.6 lb)
Packaging	8.1 kg (17.9 lb)	8.7 kg (19.2 lb)

### Regulation Approval

Certifications & Compliance	FCC, CE, LVD, WEEE, RoHS, REACH, EAC	CE, FCC, LVD, BSMI, WEEE, RoHS, REACH, EAC
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### Accessories

Supplied	Power Cord, VGA Cable, Audio Cable, USB Cable, Warranty Card, CD	Power Cord, VGA Cable, Audio Cable, USB Cable, Warranty Card, CD
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### Optional Accessories

Wall Mount (Landscape only)	WMK-01, WMK-03, PMK-01	WMK-01, WMK-03, PMK-01
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