

TX-Series

LED-backlit Display 15" | 17" | 19" | 22" | 32" | 42"

The Ultimate Interactive Multi-Touch Displays



The TX-Series, a full range series of 15" to 42" interactive displays, provides a seamless touch experience with a 10-point touch capability, including responsiveness to different materials of glove^[1], for professional, industrial, and signage applications. These sturdy touch displays are complemented by a durable metal exterior with glass which enhances interactivity in high-traffic areas such as retail POS, kiosks, train stations, airports and other public facilities.

[1] Effective responsiveness has been tested for PVC medical glove (<0.4 mm), latex glove (<1.0 mm), cotton gloves (<1.2 mm), cotton work gloves (<3.0 mm)



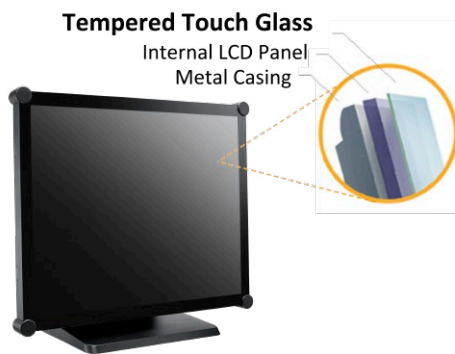


10-Point Multi-Touch Display

Based on Projected Capacitive Touch Technology, the TX-Series provides 10-point touch capability and boosts pointing precision significantly with seamless touch sense. Vertical installation is supported on 32" and 42" models to ensure the best interactive experience and optimal portrait view while preventing image distortion.

Easy integration with different systems

Plug and play support with 10-point touch capability for systems with Windows 7/8/10, Linux and Android; gesture mode is supported by systems with macOS 10.7 or later via drivers*. The RS232 input allows convenient display control from a remote location*.



High Reliability

Specifically crafted for continuous use in public settings. The metal construction paired with 7H tempered glass provides a high-level of scratch resistance, durability and easy maintenance for high-traffic usage. The Anti-Burn-in™ technology makes it possible to prevent image ghosting even after extended usage in commercial environments*. Front-sided IP65 rated 22" display protects screens from liquid splash and dust.

Fits Multiple Scenarios

Wide size range for different applications: desktop touch displays (15"-22") with wide viewing angle*, adjustable stand, and IP-65 front panel* are suitable for POS and kiosk applications in public areas or industrial applications, while the 32" and 42" touch displays can be applied to be as interactive signage displays in retail, airports, train stations, and other public facilities.



Features

TX-42P/TX-32P

- Full HD 1920 x 1080 resolution
- Anti-Burn-in™ technology prevents image ghosting
- Versatile connectivity: HDMI, DVI, VGA
- Incorporates projected capacitive touch technology
- 10-point simultaneous multi-touch capability
- Windows 10 ready - plug and play support for Windows 7/8/10
- Multi-touch support via driver for Mac10.7 and above
- RS232 device control support
- Flexible display orientation: Landscape/Portrait
- Durable metal housing
- Designed and developed for continuous 24/7 operation

TX-22/TX-19/TX-17/TX-15

- LED-backlit technology with 1024x768, 1280x1024, and 1920x1080 resolutions
- Incorporates projected capacitive touch technology
- 10-point simultaneous multi-touch capability
- Windows 10 ready - plug and play support for Windows 7/8/10
- Multi-touch support via driver for Linux and Android OS
- Optional OSD external remote control via RJ11 interface
- Front-sided IP65 rating protects the screen from liquid and dust (TX-22 only)
- Durable metal housing
- Designed and developed for continuous 24/7 operation

* Features may vary by model

Specifications

TX-15

TX-17

Panel

Panel Type	LED-Backlit TFT LCD (VA Technology)	LED-Backlit TFT LCD (VA Technology)
Panel Size	15.0"	17.0"
Max. Resolution	XGA 1024 x 768	SXGA 1280 x 1024
Pixel Pitch	0.297 mm	0.264 mm
Brightness	350 cd/m ²	250 cd/m ²
Contrast Ratio	800:1	1000:1
Viewing Angle (H/V)	160°/150°	170°/160°
Display Colour	16.2M	16.7M
Response Time	5 ms	3 ms
Surface Treatment	Anti-Glare Treatment (Haze 25%), 3H Hard Coating	Anti-Glare Treatment (Haze 25%), 3H Hard Coating

Frequency

Frequency (H)	31 kHz-60 kHz	31 kHz-80 kHz
Frequency (V)	55 Hz-75 Hz	50 Hz-75 Hz

Signal Input

DVI	24-Pin DVI-D	24-Pin DVI-D
VGA	15-Pin D-Sub x 1	15-Pin D-Sub x 1

External Control

RJ11	Yes	Yes
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Touch Screen

Panel Interface	USB (Type-B)	USB (Type-B)
Technology	Projective Capacitive	Projective Capacitive
Positional Accuracy	± 2.0 mm	± 2.5 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 VISTA/XP/2000/CE/XP Embedded Mac OS	Windows VISTA/XP/2000/CE/XP Embedded Mac OS
Multi-touch Support by Driver	Linux (Up to 5 points) Android 2.1 upward and 4.0 as well (Up to 10 points)	Linux (Up to 5 points) Android 2.1 upward and 4.0 as well (Up to 10 points)

Power

Power Supply	External	External
Power Requirements	DC 12V, 2.5A	DC 12V, 2.5A
On Mode	10W (On)	12W (On)
Stand-by Mode	< 2W	< 2W
Off Mode	< 1W	< 1W

Glass

Thickness	3.1 mm (0.12")	3.1 mm (0.12")
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	20%-80% (non-condensing)	20%-80% (non-condensing)

Storage Conditions

Temperature	-20°C-60°C (-4°F-140°F)	-20°C-60°C (-4°F-140°F)
Humidity	10%-90% (non-condensing)	10%-90% (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°
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Security

Kensington Security Slot	Yes	Yes
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Dimensions

Product with Base (W x H x D)	348.4 x 312.7 x 214.2 mm (13.7" x 12.3" x 8.4")	380.0 x 343.4 x 214.2 mm (15.0" x 13.5" x 8.4")
Product w/o Base (W x H x D)	348.4 x 276.4 x 46.6 mm (13.7" x 10.9" x 1.9")	380.0 x 318.0 x 49.5 mm (15.0" x 12.5" x 2.0")
Packaging (W x H x D)	415.0 x 370.0 x 290.0 mm (16.3" x 14.6" x 11.4")	450.0 x 423.0 x 277.0 mm (17.7" x 16.7" x 10.9")

Weight

Product w/o Base	2.7 kg (5.9 lb)	3.9 kg (8.6 lb)
Product with Base	4.6 kg (10.1 lb)	5.8 kg (12.8 lb)
Packaging	7.0 kg (15.4 lb)	8.0 kg (17.6 lb)

Regulation Approval

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

Supplied	Power Adaptor, Power Cord, VGA Cable, USB Cable, Warranty Card	Power Adaptor, Power Cord, VGA Cable, USB Cable, Warranty Card
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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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Specifications

TX-19

TX-22

Panel

Panel Type	LED-Backlit TFT LCD (IPS Technology)	LED-Backlit TFT LCD (IPS Technology)
Panel Size	18.9"	21.5"
Max. Resolution	SXGA 1280 x 1024	FHD 1920 x 1080
Pixel Pitch	0.293 mm	0.248 mm
Brightness	250 cd/m ²	250 cd/m ²
Contrast Ratio	1000:1	1000:1
Viewing Angle (H/V)	178°/178°	178°/178°
Display Colour	16.7M	16.7M
Response Time	5 ms	5 ms
Surface Treatment	Anti-Glare Treatment (Haze 25%), 3H Hard Coating	Anti-Glare Treatment (Haze 25%), 3H Hard Coating

Frequency

Frequency (H)	31 kHz-80 kHz	31 kHz-82 kHz
Frequency (V)	50 Hz-75 Hz	50 Hz-75 Hz

Signal Input

DVI	24-Pin DVI-D	24-Pin DVI-D
VGA	15-Pin D-Sub x 1	15-Pin D-Sub x 1

External Control

RJ11	Yes	Yes
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Touch Screen

Panel Interface	USB (Type-B)	USB (Type-B)
Technology	Projective Capacitive	Projective Capacitive
Positional Accuracy	± 2.5 mm	± 2.5 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 VISTA/XP/2000/CE/XP Embedded Mac OS	Windows VISTA/XP/2000/CE/XP Embedded Mac OS
Multi-touch Support by Driver	Linux (Up to 5 points) Android 2.1 upward and 4.0 as well (Up to 10 points)	Linux (Up to 5 points) Android 2.1 upward and 4.0 as well (Up to 10 points)

Power

Power Supply	External	External
Power Requirements	DC 12V, 2.5A	DC 12V, 4A
On Mode	19W (On)	19W (On)
Stand-by Mode	< 2W	< 2W
Off Mode	< 1W	< 1W

Glass

Thickness	3.1 mm (0.12")	3.1 mm (0.12")
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	20%-80% (non-condensing)	20%-80% (non-condensing)

Storage Conditions

Temperature	-20°C-60°C (-4°F-140°F)	-20°C-60°C (-4°F-140°F)
Humidity	10%-90% (non-condensing)	10%-90% (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°
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Security

Kensington Security Slot	Yes	Yes
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Dimensions

Product with Base (W x H x D)	427.0 x 374.6 x 214.2 mm (16.8" x 14.7" x 8.4")	528.6 x 346.7 x 214.2 mm (20.8" x 13.7" x 8.4")
Product w/o Base (W x H x D)	427.0 x 355.0 x 48.8 mm (16.8" x 14.0" x 1.9")	528.6 x 324.3 x 48.5 mm (20.8" x 12.8" x 1.9")
Packaging (W x H x D)	500.0 x 460.0 x 300.0 mm (19.7" x 18.1" x 11.8")	610.0 x 460.0 x 320.0 mm (24.0" x 18.1" x 12.6")

Weight

Product w/o Base	4.6 kg (10.1 lb)	4.8 kg (10.6 lb)
Product with Base	6.5 kg (14.3 lb)	6.7 kg (14.8 lb)
Packaging	8.3 kg (18.7 lb)	9.8 kg (21.6 lb)

Regulation Approval

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

Supplied	Power Adaptor, Power Cord, VGA Cable, USB Cable, Warranty Card	Power Adaptor, Power Cord, VGA Cable, DVI Cable, USB Cable, Warranty Card
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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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Specifications

TX-32P

TX-42P

Panel

Panel Type	LED-Backlit TFT LCD (VA Technology)	LED-Backlit TFT LCD (VA Technology)
Panel Size	31.5"	42.0"
Max. Resolution	FHD 1920 x 1080	FHD 1920 x 1080
Pixel Pitch	0.364 mm	0.485 mm
Brightness	500 cd/m ²	500 cd/m ²
Contrast Ratio	3000:01:00	4000:01:00
Viewing Angle (H/V)	178°/178°	178°/178°
Display Colour	16.7M	16.7M
Response Time	5 ms	5 ms
Surface Treatment	Anti-Glare Treatment (Haze 2%),3H Hard Coating	Anti-Glare Treatment (Haze 44%),3H Hard Coating

Frequency

Frequency (H)	30 kHz-80 kHz	30 kHz-80 kHz
Frequency (V)	50 Hz-76 Hz	56 Hz-76 Hz

Signal Input

HDMI	1.4 x 1	1.4 x 1
DVI	29-Pin DVI-I	29-Pin DVI-I
VGA	15-Pin D-Sub x 1	15-Pin D-Sub x 1

External Control

RS232 In	9-Pin D-Sub	9-Pin D-Sub
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Audio

Audio In	Stereo Audio Jack (3.5 mm)	Stereo Audio Jack (3.5 mm)
Audio Out	Stereo Audio Jack (3.5 mm)	Stereo Audio Jack (3.5 mm)
Internal Speakers	10W x 2	10W x 2

Touch Screen

Panel Interface	USB (type A)	USB (type A)
Technology	Projective Capacitive	Projective Capacitive
Positional Accuracy	± 2.0 mm	± 2.0 mm
Single Touch Plug & Play	Windows CE/XP/Android (Kernel 3.8 upward)Linux (Kernel 3.8 upward)Mac10.6 upward	Windows CE/XP/Android (Kernel 3.8 upward)Linux (Kernel 3.8 upward)Mac10.6 upward
Multi-touch Plug & Play	10-point touch for Windows 7/8/10/10-point touch for Android (Kernel 3.8 upward)10-point touch for Linux (Kernel 3.8 upward)	10-point touch for Windows 7/8/10/10-point touch for Android (Kernel 3.8 upward)10-point touch for Linux (Kernel 3.8 upward)
Multi-touch Support by Driver	10-point touch for Mac10.7~Mac10.13 with UPDD Driver (UPDD_06_00_376)	10-point touch for Mac10.7~Mac10.13 with UPDD Driver (UPDD_06_00_376)

Power

Power Supply	Internal	Internal
Power Requirements	AC 100-240V, 50/60 Hz	AC 100-240V, 50/60 Hz
On Mode	40.81W (On)	67.5W (On)
Stand-by Mode	< 2W	< 2W
Off Mode	< 1W	< 1W

Glass

Thickness	3.0 mm (0.12")	4.0 mm (0.16")
Transmission Rate	> 85%	> 85%
Hardness	> 7H	> 7H

Operating Conditions

Temperature	0°C-40°C (32°F-104°F)	0°C-40°C (32°F-104°F)
Humidity	20%-80% (non-condensing)	20%-80% (non-condensing)

Storage Conditions

Temperature	-20°C-60°C (-4°F-140°F)	-20°C-60°C (-4°F-140°F)
Humidity	20%-80% (non-condensing)	20%-80% (non-condensing)

Mounting

VESA FPM/PMI	Yes (400 x 200 mm)	Yes (400 x 400 mm)
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Dimensions

Product w/o Base (W x H x D)	750.2 x 466.8 x 69.6 mm (29.5" x 18.4" x 2.7")	978.5 x 578.2 x 82.1 mm (38.5" x 22.8" x 3.2")
Packaging (W x H x D)	880.0 x 590.0 x 220.0 mm (34.6" x 23.2" x 8.7")	1102.0 x 696.0 x 216.0 mm (43.4" x 27.4" x 8.5")

Weight

Product w/o Base	12.5 kg (27.6 lb)	24.5 kg (54.0 lb)
Packaging	14.5 kg (32.0 lb)	28.0 kg (61.7 lb)

Regulation Approval

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

Supplied	Power Cord, USB Cable, Remote Control, Batteries, Quick Start Guide	Power Cord, VGA Cable, Audio Cable, USB Cable, Remote Control, Batteries, Quick Start Guide
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Optional Accessories

Floor Mount	FMS-01, FMS-02, FMC-02	FMS-01, FMS-02, FMC-02
Video Wall Mount	-	VWM-01, VWM-02
Wall Mount (Landscape only)	LMK-02	LMK-01, LMK-03
Stand	STD-03A	STD-03A

