TPM-A22FP PRODUCT BROCHURE



The TPM-A22FP is a Flat Panel 21.5" Full HD Projected Multi-Touch Display with AG coating

Part number: TPM-A22FP

Features

- 21.5"Full HD Industrial Display
- Multi-Touch Display(P-CAP)
- Either Real side OSD or OSD Remote control by option RJ-11 cable
- Front Panel IP65
- Flat Panel Design
- VGA/DVI-D input
- DC 12V input with Adapter
- AG coating
    - With Increased Transmittance
    - Reduce Sparkle Effectively with Fine Particles
- Option for Bottom Side Protective Rubber Bar

LCD

LCD Size / Type?

- 21.5" diagonal TFT Active Matrix Panel

Max. Resolution?

- 1920 x1080

Display Model?

- VGA 720 X 400 (70 Hz)
- VGA 640 X 480 (60/66/70/72/75 Hz)
- SVGA 800 X 600 (60/70/72/75 Hz)
- XGA 1024 X 768 (60/70/75 Hz)
- SXGA 1280 X 1024 (60/70/75 Hz)
- WXGA+1440 X 900 (60/75 Hz)
- WSXGA 1680 X 1050 (60Hz)

* All product specifications are subject to change without notice

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- 1920 X 1080 (60Hz)

Max. Color?

- 16.7M (6bits + A-FRC)

Contrast Ratio??

- 1000:1

Brightness

- (Without Touch) 250 nits (typical)
- (Projected Capacitive) 225 nits (typical**)?**

Response Time?

- 14ms (typical)

Viewing Angle??

- 8 ms (typical)

Viewing Angle?

- Horizontal 178? (typical), Vertical 178? (typical)

Pixel Pitch?

- 0.24795 (H) X 0.24795 (V) mm

Touch Screen

Active Area

- 476.064 (H) X 267.786 (V) mm

Touch Technology?

- 10 Points Projected Capacitive

Touch Interface?

- USB (Type-B)

System?

Video Signal Input?

- D-sub 15 pin Female (Analog) x 1 for VGA,DVI-D x 1

Video Input Frequency?

- 31.47kHz ~ 82.3kHz / 56Hz ~ 75Hz (Horizontal / Vertical)

I/O?

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- VGA x 1
- DVI-D x 1
- RJ-11 x 1
- USB Type-B x 1
- DC-IN x 1

OSD Keys

- Control Key Power On/O?, Select, Down, Up, Menu

OSD Option??

- Contrast, Brightness
- Auto Adjust, Left/ Right, Down / Up
- Horizontal Size, Fine
- OSD Left / Right, OSD Down / Up
- OSD Timeout, Factory Reset, Language, RGB

OSD Remote Control?

- Supported by option RJ-11 control cable

OS support?

- Windows® 7
- Windows® 8.1
- Windows® 10 WES7, WES8,
- Windows® 10 IOT
- Linux

Plug & Play??

- DDC 2B Compatible

Power??? Consumption?

- Operating: 27W (typical)
- Sleep: 2W
- O?: 1W

Power Supply??

- DC 12V, 4.16A

Mechanical

Case Colour?

- Black

Dimensions?

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- 517.4mm (W) X 313.3mm (H) X 46.0mm (D)

?**Net Weight (Approx.)?**

- 4.4 kg (w/o stand)??

Shipping Weight (Approx.)?

- 6.8 kg (w/o stand)

Mounting Option?

- 100 mm X 100 mm VESA Mount

Environment

Operating Temperature

- Operating: 0?C ~ +40?C
- Storage: -20?C ~ +60?C

Humidity?

- Operating: 20% ~ 80% (Non-condensing)
- Storage: 10% ~ 90% (Non-condensing)

Anti-Vibration

- 1 g rms/ 5~ 500Hz/ operation

Anti-Shock

- 30G-peak acceleration for 2 milliseconds duration in each of the three axes

Safety

- USA UL/cUL
- Germany TUV (Bauart Mark)
- Europe CE Mark
- Low-Voltage Directive (2014/35/EU)

MTBF

- 50,000 HRs
- Primary test/preset mode under ambient temperature of 25°C

EMC

- USA FCC Class B
- Europe CE Mark
- Electromagnetic Compatibility (2014/30/EU)
- EMC Emission EN 55032 Class B
- Harmonics EN 61000-3-2

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- Fluctuation/Flicks EN 61000-3-3
- EMC Immunity EN 55024 / EN 61000-6-1 including as below:
- EN 61000-4-2 ESD
- EN 61000-4-3 RS?
- EN 61000-4-4 EFT
- EN 61000-4-5 Surge
- EN 61000-4-6 CS
- EN 61000-4-8 Power Frequency Magnetic Field
- EN 61000-4-11 Voltage Dips / Voltage Interruptions

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