

TPM-A22FP

21.5" Fanless Flat Panel Full HD Projected Multi-Touch Display with AG Coating



Features

- 21.5" full HD industrial display
- Multi-touch display (P-CAP)
- On-Screen Display (OSD) controlled by RJ-11 cable
- Front IP65 panel
- Flat panel design
- VGA/DVI-D input
- DC 12V input with adapter
- AG coating
 - With Increase Transmittance
 - Reduce Sparkle Effectively with Fine Particles
- Option for bottom side protective rubber bar

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

USB	type B x 1
Power Consumption	Operating: 27W (typ.), Sleep: 2W Off: 1W
VGA	VGA x 1
DVI-D	DVI-D x1
RJ-11	RJ-11 x 1
DC-IN	DC-IN x 1
OSD Keys	Control Key Power On/Off, 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 Contro	Support, by option RJ-11 control cable
Plug & Play	DDC 2B Compatible

Environment & Mechanical

Power Supply	DC 12V, 4.16A
Temperature Operation	0°C ~ +40°C
Temperature Storage	-20°C ~ +60°C
Humidity Operation	20% ~ 80% (Noncondensing)
Humidity Storage	10% ~ 90% (Noncondensing)

Headquarter

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EFCO
EverFine Group

Note : All product specifications are subject to change without notice

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Dimension(W x D x H)	517.4 (W) X 313.3 (H) X 46.0 (D) mm
Mounting	100 X 100 mm VESA Mount
Anti-Vibration	1 g rms/ 5~ 500Hz/ operation
Anti-Shock	30G-peak acceleration for 2 milliseconds duration in each of the three axes
Cabinet Color	Black
Net Weight (Approx.)	4.4 Kg (w/o stand)
Shipping Weight (Approx.)	6.8 Kg (w/o stand)

Certification & Optional OS Installation

OS	Windows® 7, Windows® 8.1, window 10 WES7, WES8, window 10 IOT, Linux
MTBF	50,000 HRs (Primary test/preset mode under ambient temperature of 25°C)
Safety	USA UL/cUL, Germany TUV (Bauart Mark), Europe CE Mark, Low-Voltage Directive (2014/35/EU)
EMC	USA FCC Class B Europe CE Mark Electromagnetic Compatibility (2014/30/EU) EMC Emission EN 55032 Class B Harmonics EN 61000-3-2 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

LCD

Display	21.5" diagonal TFT Active Matrix Panel 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) 1920 X 1080 (60Hz)
Contrast	1000:1
Pixel Pitch	0.24795 (H) X 0.24795 (V) mm
Viewing Angle (H/V)	Horizontal 178° (typical), Vertical 178° (typical)
Response Time	14ms (typical)
Brightness	(Without Touch) 250 nits (typical) (Projected Capacitive) 225 nits (typical)
Max. Resolution	1920x1080
Max. Color	16.7M (6bits + A-FRC)

Touch Screen

Active Area	476.064 (H) X 267.786 (V) mm
Touch Technology	10 Points Projected Capacitive
Touch Interface	USB (Type-B)

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Model	Description
TPM-A22FP-AG-PRB-00	Bezel Free Industrial 21.5" Full HD LED Multi-touch Display, 1xVGA+1xDVI-D, DC12V, 4.16A, AG coating, EFCO LOGO FW, Lock the OSD/Power menu buttons
TPM-A22FP-AG-PRB-01	Bezel Free Industrial 21.5" Full HD LED Multi-touch Display, 1xVGA+1xDVI-D, DC12V, 4.16A, Protective Rubber Bar, AG coating, None LOGO FW, Lock the OSD/Power menu buttons

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