

W22L100-MLA3FP

21.5" PCAP Rack Mount Defence Display



KEY FEATURES

- 21.5", 1920 x 1080 resolution
- PCAP multi-touch screen
- Compliant MIL-STD 810G/ MIL-STD 461E
- Rack mount mechanical design, supports VESA mount
- Defence-grade power connector (MIL-DTL-38999/1)
- AC 100~240V, Universal, $\pm 10\%$; DC 9~36V, $\pm 10\%$ (Optional)
- Convenient on-screen display controls

INTRODUCTION

Winmate PCAP Rack Mount Defence Display Series delivers robust performance and reliability for mission-critical applications. Available in sizes from 15" to 32", these displays feature PCAP multi-touch screens, compliant with MIL-STD 810G and MIL-STD 461E for durability in harsh environments. The rack mount design with VESA compatibility ensures seamless integration, while the defence-grade power connector (MIL-DTL-38999/1) enhances safety. Ideal for military and industrial use, the series offers resolutions up to 1920x1080, universal AC/DC power options, and convenient on-screen display controls.

SPECIFICATIONS

Display

Resolution	1920x1080	Size	21.5 inches
Contrast Ratio	3000:1	Panel Brightness	250.0 nits
Display Color	16.7M Colors	View Angles	89,89,89,89
Active Area	476.64x268.11 mm	Touch / Glass	Projected Capacitive Multi Touch Screen PCAP with With ITO Film (Optional)

Environment

Operating Humidity	10% to 95% RH	Operating Temperature	0~50°C
Storage Temperature	-10°C~60°C	TEMPEST	USA: NSA NSTISSAM TEMPEST/1-92 (optional) NATO: NATO SDIP-27 (optional)

Compliance

MIL-STD 461G	USA MILSTD461G CE101, CE102, RE101, RE102, CS118 (Default) MILSTD461G CS101, CS106, CS109, CS114, CS115, CS116, RS101, RS103 (Optional) NATO STANAG 4370/AECTP501 NCE01, NCE02, NRE01, NRE02, NCS12 (Default) STANAG 4370/AECTP501 NCS01, NCS07, NCS08, NCS09, NRS01, NRS02 (Optional)	MIL-STD 810H	USA: MIL-STD-810H (default): Vibration Method 514.6 Humidity Method 507.6 Transit Drop Method516.6 NATO (optional): Vibration Test STANAG 4370/AECTP-401 Shock STANAG 4370/AECTP-402 Procedure I Drop and Topple Test STANAG 4370/AECTP-404
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Certification

Certification	CE, FCC
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IO Ports

USB Port	1 x USB for Touch Screen	Video	1 x VGA
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5 x BNC (R,G,B,H,V)
1 x DVI-D

Mechanical

Dimension	580 x 384 x 71 mm	Mounting	Rack mount VESA mount (Optional)
Enclosure	Metal Housing with Aluminum Bezel	Cooling System	Fanless Design

Accessory

Accessory	1 x User Manual(Hardcopy) 1 x Power Cord MIL-DTL-38999/1 1 x VGA Cable 1 x DVI Cable 1 x VGA to 5 BNC Shielding Cable
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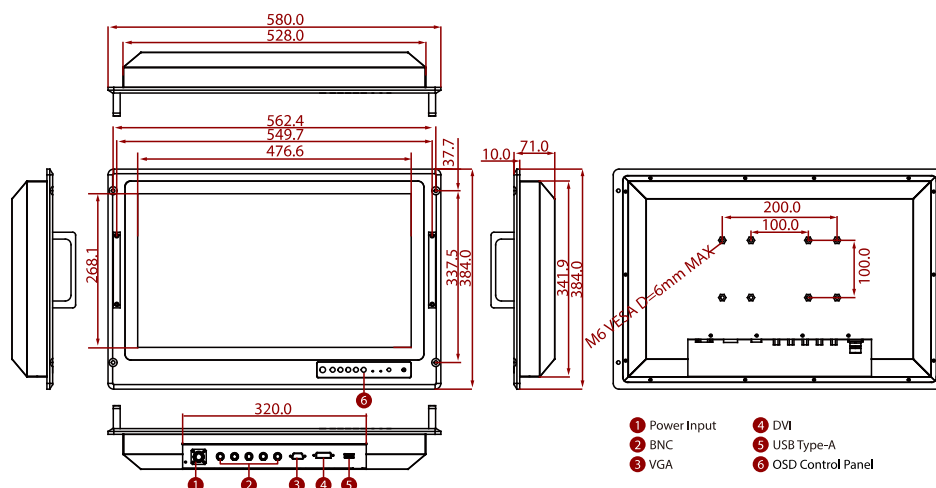
Power

Power Rating	AC 100~240V, Universal, $\pm 10\%$ DC 9~36V, $\pm 10\%$ (Optional)
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Control

Button	1 x "Power" key to power on the device. 1 x "+" key to increase screen brightness. 1 x "-" key to decrease screen brightness. 1 x "Menu" key can Automatically or manually adjusts brightness of the display screen 1 x Day / Night Mode button 1 x LED indicator brightness adjustment button 1 x Ambient Light sensor
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DIMENSIONS UNIT:MM



NOTE

1. This is a simplified drawing and some components are not marked in detail.
2. If you require an external test report, Winmate will charge an NRE fee.
3. Please contact our sales representative if you need further product information.
4. All specifications are subject to change without prior notice.
5. The product shown in this datasheet is a standard model. For diagrams that contain customized or optional I/O, please contact the Winmate Sales Team for more information.