R21L100-MLM1FP

21.3" PCAP Rack Mount Defence Display

KEY FEATURES

- 21.3” 1600x1200 resolution,PCAP Rack Mount Defence Display
- PCAP multitouch screen
- Compliant MILSTD 810G/ MILSTD 461E
- Rack mount mechanical design, supports VESA mount
- Defencegrade power connector (MILDTL38999/1)
- AC 100~240V, Universal, ±10%; DC 9~36V, ±10% (Optional)
- Convenient onscreen 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

Touch / Glass	Projected Capacitive Multi Touch Screen (Default) PCAP with With ITO Film (Optional)	**Resolution**	1600x1200
Size	21.3 inches	**Contrast Ratio**	1800:1
Panel Brightness	1000.0 nits	**Display Color**	16.8M Colors
View Angles	89,89,89,89	**Active Area**	432x324 mm

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

Certification

Certification	CE, FCC

IO Ports

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

Mechanical

Dimension	539.1 x 430.3 x 71.4 mm	**Mounting**	Rack mount (Default) 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

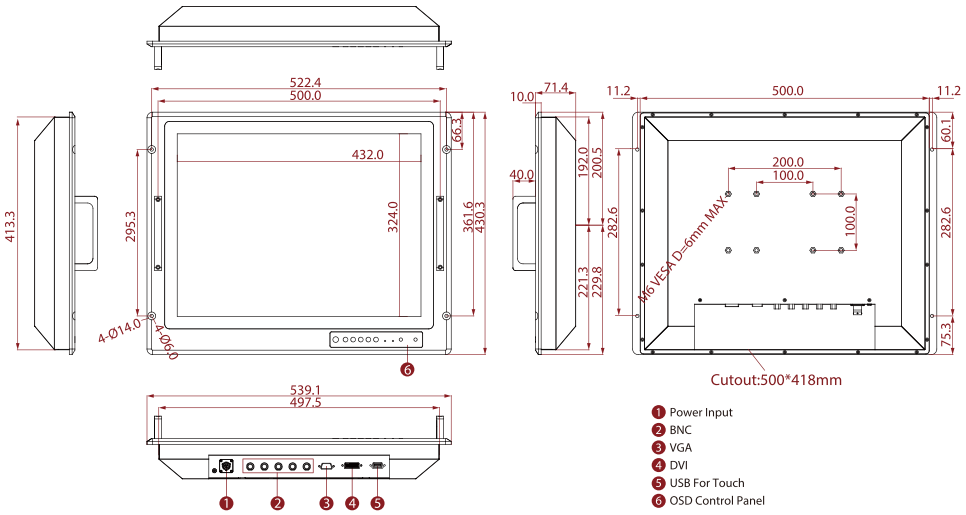
Power

Power Rating	AC 100~240V, Universal, ±10% (Default) DC 9~36V, ±10% (Optional)

Control

Button	6 Key OSD Control Pad: Power/ Brightness DOWN, Brightness UP/ Night, Day/ Exit, Auto/ Menu

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.