

W32L100-MLA1FP

31.5" 4K2K UHD Defence Display



KEY FEATURES

- 31.5" Display with 4K2K UHD Rack Mount Display (3840 x 2160) native resolution
- Compliant MIL-STD 810G/ MIL-STD 461E
- Rack mount mechanical design, supports VESA mount
- PCAP multi-touch screen
- Defence-grade power connector (MIL-DTL-38999/1)
- AC 100~240V, Universal, ±10%; DC 9~36V, ±10% (Optional)
- Convenient on-screen display controls

INTRODUCTION

Winmate W32L100-MLA1FP is a 31.5-inch 4K2K UHD Defence Display engineered for defense operations, field command, and mission-critical mobility. It combines 31.5-inch display with 3840x2160 resolution, 31.5" Display with 4K2K UHD Rack Mount Display (3840 x 2160) native resolution, and Compliant MIL-STD 810G/ MIL-STD 461E to support reliable operation in harsh industrial environments. With Rack mount mechanical design, supports VESA mount, the W32L100-MLA1FP helps OEMs, system integrators, and project teams deploy durable, configurable solutions for demanding field, factory, and mission-critical applications.

SPECIFICATIONS

Display			
Resolution	3840x2160	Size	31.5 inches
Contrast Ratio	1000:1	Panel Brightness	350.0 nits
Display Color	1.07B Colors	View Angles	89,89,89,89
Active Area	697.3056×392.2344 mm	Touch / Glass	Projected Capacitive Multi Touch Screen (Default) PCAP with With ITO Film (Optional)
Certification			
Certification	CE, FCC		
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
IO Ports			

USB Port	1 x USB for Touch Screen	Serial Port	1 x RS232 for Remote Control (Optional)
Video	1 x VGA 1 x DVI 1 x Display Port 1.2 (Default) 2 x HDMI 2.0 (Optional)	Audio	1 x Audio Line In (Optional)

Mechanical

Dimension	825 x 486 x 88.3 mm	Mounting	VESA mount/Rear mount
Enclosure	Metal	Cooling System	Fanless Design

Accessory

Accessory	1 x User Manual(Hardcopy) 1 x Power Cord MILDTL38999/1 1 x VGA Cable 1 x DVI Cable 2 x HDMI Cable 1 x DP Cable	Optional Accessory	1 x Audio cable
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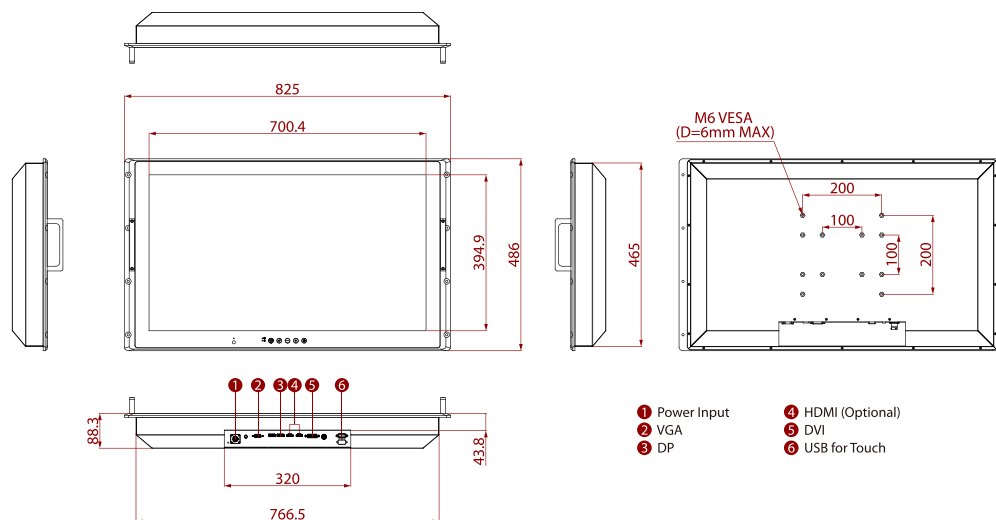
Power

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

Button	5 x Capacitive Touch Key Power Brightness+ Brightness- OSD/ Enter ESC
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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.