W27L100-MLA3FP
27" 4K2K UHD Defence Display

CE

FC

COMPLIANT MIL-STD 461F

COMPLIANT MIL-STD 810G

KEY FEATURES

- 27" Display with 4K2K UHD PCAP Rack Mount Defence 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 4K2K Defence Display Series delivers exceptional visual clarity with UHD 3840 x 2160 resolution across sizes ranging from 15.6" to 55". Designed for mission-critical applications, these displays meet MIL-STD 810G and MIL-STD 461E standards, ensuring durability and reliability in defense environments. Key features include a PCAP multi-touch screen, AR protection glass (optional), rack mount design with VESA compatibility, and a defense-grade power connector (MIL-DTL-38999/1). Ideal for secure command centers and tactical operation

SPECIFICATIONS

Display

Resolution	3840x2160	Size	27.0 inches
Contrast Ratio	1000:1	Panel Brightness	400.0 nits
Display Color	1.07B Colors	View Angles	89,89,89,89
Active Area	596.16x335.34 mm	Touch / Glass	Projected Capacitive Multi Touch Screen PCAP with With ITO Film (Optional)

Control

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

Environment

Operating Humidity	10% to 95% RH	Operating Temperature	0~50°C
Storage Temperature	-25°C~60°C		

Compliance

MIL-STD 461E/F/G	RE101 / RE102 CE101 / CE102 CS118 with EMI Glass / Touch(Optional) RS101 / RS 103 CS101 / CS 106 / CS 109 / CS 114 / CS 115 / CS 116	MIL-STD 810G/H	Vibration Method 514.6 Humidity Method 507.5 Transit Drop Method516.6

Certification

Certification	CE, FCC

IO Ports

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

Mechanical

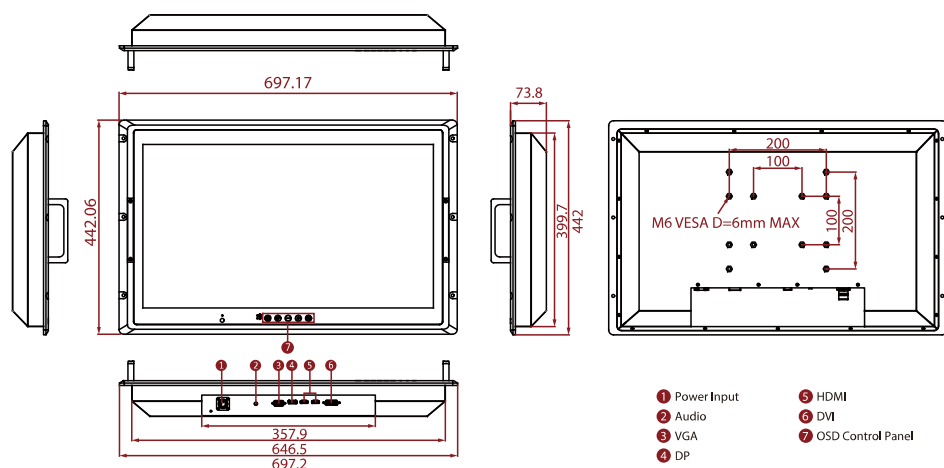| Dimension	697.2 x 442 x 73.8 mm	Weight	15.9 kg
Mounting	VESA mount/Rack mount	Enclosure	Metal
Cooling System	Fanless Design		

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 Auido cable

Power

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

DIMENSIONS   UNIT:MM

- 697.17
- 73.8
- 442.06
- 399.7
- 442
- 200
- 100
- M6 VESA D=6mm MAX
- 100
- 200
- 357.9
- 646.5
- 697.2

① Power Input   ⑤ HDMI
② Audio   ⑥ DVI
③ VGA   ⑦ OSD Control Panel
④ DP

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.