W40L100-MLM1FG
40" 4K2K UHD Defence Display

CE
FC
COMPLIANT MIL-STD 461F
COMPLIANT MIL-STD 810G

KEY FEATURES

- 40" 4K2K UHD Protective Glass Rack Mount Defence Display (3840 x 2160) native resolution
- Compliant MIL-STD 810G/ MIL-STD 461E
- Rack mount mechanical design, supports VESA mount
- AR protection glass
- 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	40.0 inches
Contrast Ratio	5000:1	Panel Brightness	350.0 nits
Display Color	1.07G (8-bit+FRC) Colors	View Angles	89,89,89,89
Active Area	878.112x485.352 mm	Touch / Glass	AR Protection Glass EMI ITO Glass (Optional)

Environment

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

Certification

Certification	CE, FCC

Compliance

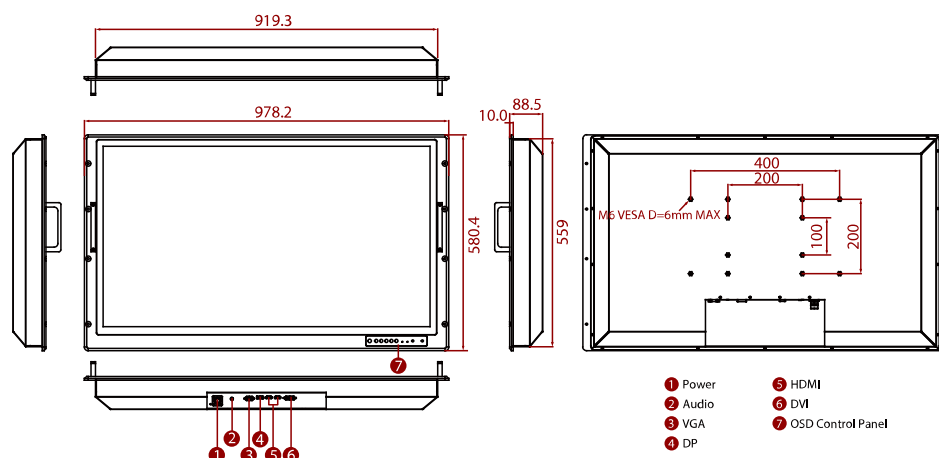|			
MIL-STD 461G	RE101 / RE102 CE101 / CE102 CS118 with EMI Glass / Touch(Optional) RS101 / RS 103 CS101 / CS 106 / CS 109 / CS 114 / CS 115 / CS 116	MIL-STD 810H	Vibration Method 514.8 Humidity Method 507.6 Transit Drop Method516.8

IO Ports

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)		

Mechanical

| **Dimension** | 978.2 x 580.4 x 88.5 mm | **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) |

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 |

DIMENSIONS   UNIT:MM

❶ Power	❺ HDMI
❷ Audio	❻ DVI
❸ VGA	❼ OSD Control Panel
❹ 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.

WINMATE
No. 18, Zhongxing S. St., Sanchong Dist., New Taipei City 241017 , Taiwan (R.O.C.)
Tel: +886-2-8511-0288
Website: www.winmate.com

Revised:V.250207.250122

2