

# W43L100-MLA2FP

## 43" 4K2K UHD Defence Display



### KEY FEATURES

- 43" Display with 4K2K UHD Rack Mount Display (3840 x 2160) native resolution
- AC 100~240V, Universal,  $\pm 10\%$
- Compliant MILSTD 810G/ MILSTD 461E
- Convenient onscreen display controls
- Defence grade power connector (MILDTL38999/1)
- PCAP multitouch screen
- Rack mount mechanical design, supports VESA mount

### 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

|                  |                                                                               |                |                    |
|------------------|-------------------------------------------------------------------------------|----------------|--------------------|
| Touch / Glass    | Projected Capacitive Multi Touch Screen<br>PCAP with With ITO Film (Optional) | Resolution     | 3840x2160          |
| Size             | 42.5 inches                                                                   | Contrast Ratio | 4000:1             |
| Panel Brightness | 500.0 nits                                                                    | Display Color  | 1.07B Colors       |
| View Angles      | 89,89,89,89                                                                   | Active Area    | 941.184x529.416 mm |

#### Certification

|               |         |
|---------------|---------|
| Certification | CE, FCC |
|---------------|---------|

#### Environment

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

#### Compliance

|              |                                                                                                                                                     |              |                                                                              |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------------------------------------------------------------|
| MIL-STD 461G | RE101 / RE102<br>CE101 / CE102<br>CS118<br>with EMI Glass / Touch(Optional)<br>RS101 / RS 103<br>CS101 / CS 106 / CS 109 / CS 114 / CS 115 / CS 116 | MIL-STD 810H | Vibration Method 514.8<br>Humidity Method 507.6<br>Transit Drop Method 516.8 |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------------------------------------------------------------|

#### IO Ports

|          |                          |             |                                         |
|----------|--------------------------|-------------|-----------------------------------------|
| USB Port | 1 x USB for Touch Screen | Serial Port | 1 x RS232 for Remote Control (Optional) |
| Video    | 1 x VGA                  | Audio       | 1 x Audio Line In (Optional)            |

1 x DVI  
1 x Display Port 1.2  
2 x HDMI 2.0 (Optional)

## Mechanical

|                       |                          |                  |       |
|-----------------------|--------------------------|------------------|-------|
| <b>Dimension</b>      | 1088.2 x 681.4 x 84.6 mm | <b>Weight</b>    | Metal |
| <b>Mounting</b>       | VESA mount/Rack mount    | <b>Enclosure</b> | nan   |
| <b>Cooling System</b> | Fanless Design           |                  |       |

## Accessory

|                  |                                                                                                                                                |                           |                 |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------------|
| <b>Accessory</b> | 1 x User Manual(Hardcopy)<br>1 x Power Cord MILDTL38999/1<br>1 x VGA Cable<br>1 x DVI Cable<br>2 x HDMI Cable<br>1 x DP Cable<br>1 x USB Cable | <b>Optional Accessory</b> | 1 x Audio cable |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------------|

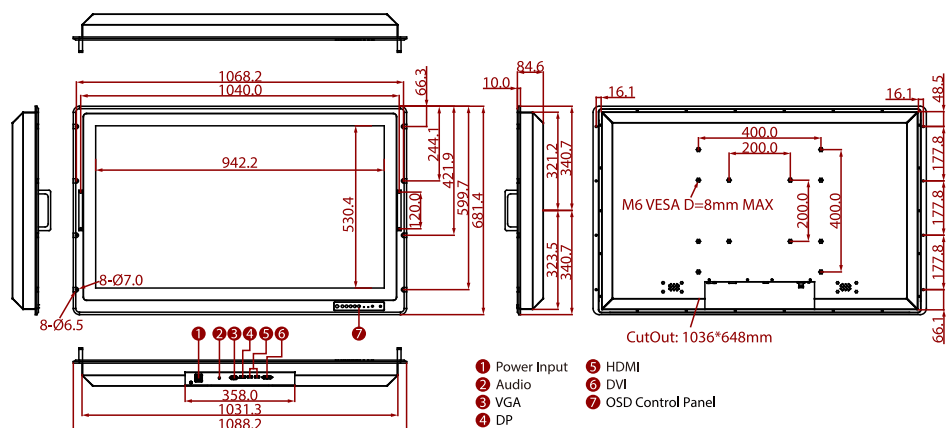
## Power

|                     |                                          |
|---------------------|------------------------------------------|
| <b>Power Rating</b> | MIL-DTL-38999/1 Connector<br>AC 110~240V |
|---------------------|------------------------------------------|

## Control

|               |                                                                                      |
|---------------|--------------------------------------------------------------------------------------|
| <b>Button</b> | 5 x Capacitive Touch Key<br>Power<br>Brightness+<br>Brightness-<br>OSD/ Enter<br>ESC |
|---------------|--------------------------------------------------------------------------------------|

**DIMENSIONS**    UNIT:MM



### NOTE

1. This is a simplified drawing and some components are not marked in detail.
2. Please contact our sales representative if you need further product information.
3. All specifications are subject to change without prior notice.
4. 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.