W32L100-MLA3FP
32" PCAP Rack Mount Defence Display

KEY FEATURES

- 32", 1920 x 1080 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

OVERVIEW

Reliable Computing Tailored for Defence Applications

To meet the regulatory requirements of the Defence and defense, all Winmate's Defence Console Rack Displays are built and tested according to MIL-STD-810G environmental and MIL-STD 461F EMC standard. Winmate performs in-house reliability test to ensure optimal performance in harsh defence environments.

Command Center Focused Design

Increase the efficiency of the command center and control room personnel. Built your ergonomic command console that complies with Defence and defense precise needs with Defence Console Rack Displays that feature rack mount mechanical design (8U).

Defence – Grade Connectors for Compatibility with Existing Defence Systems

The Defence Console Rack Displays come with MIL-DTL-38999 type I power input connector and, for selected models, MIL-DTL-38999 type III input/ output connectors – high-performance cylindrical connector for cable-to-panel applications in the defence, air traffic control, or other mission-critical situations. Compatible with existing defence systems.

Projected Capacitive touchscreen technology (PCAP) Experience

Using Projected Capacitive touchscreen technology (PCAP) allows for a modern user interface thereby making use of new and extended ways of user input and control. Gesture-based interactions by touching and pointing, with one finger or more, rotate, pinch to zoom and move objects on the display.

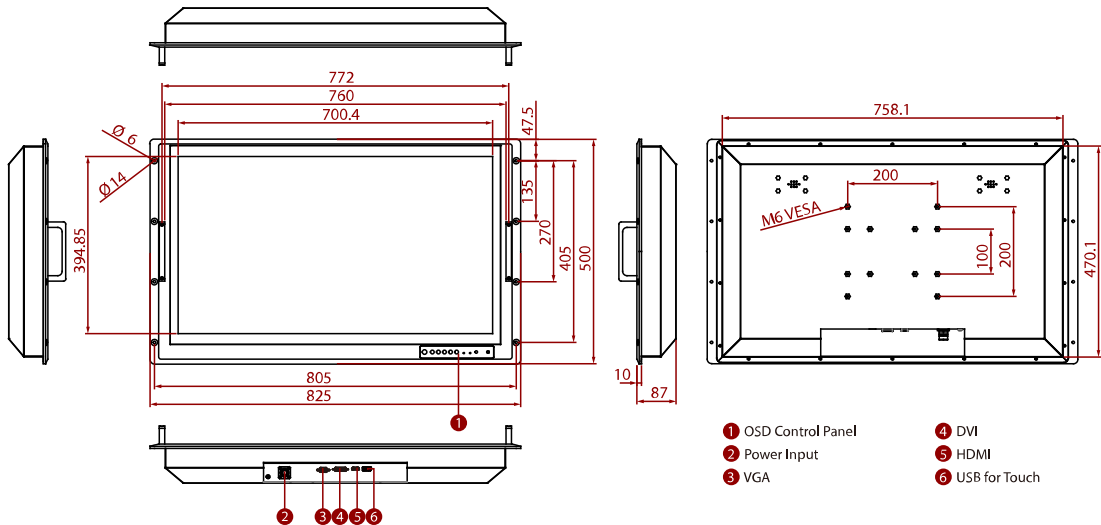### Auto Brightness Control with Built-in Light Sensor

The Defence Console Rack Displays feature a built-in light sensor for auto-brightness control. The screen brightness effortlessly changes with the lighting conditions throughout the day.

SPECIFICATIONS

Display			
Resolution	1920x1080	Size	32.0 inches
Contrast Ratio	4000:1	Panel Brightness	400.0 nits

Display Color	16.7M Colors	**View Angles**	89,89,89,89
Active Area	698.4x392.85 mm	**Touch / Glass**	Projected Capacitive Multi Touch Screen PCAP with With ITO Flim (Optional)

Environment

Operating Humidity	10% to 95% RH	**Operating Temperature**	0~50°C
Storage Temperature	-10°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	**Video**	1 x VGA 1 x DVI-D 1 x HDMI

Mechanical

Dimension	825 x 500 x 87.2 mm	**Mounting**	VESA Mount/ Rack Mount
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 HDMI

Power

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

Control

Button	7 key: Power Decrease Increase Exit/ Auto Menu Day/ Night Lock/ Unlock

DIMENSIONS   UNIT:MM

1 OSD Control Panel   4 DVI
2 Power Input   5 HDMI
3 VGA   6 USB for Touch

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.