R19L100-MLA3FP
19" PCAP Rack Mount Defence Display

KEY FEATURES

- 19", 1280 x 1024 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
- Defence Display

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.

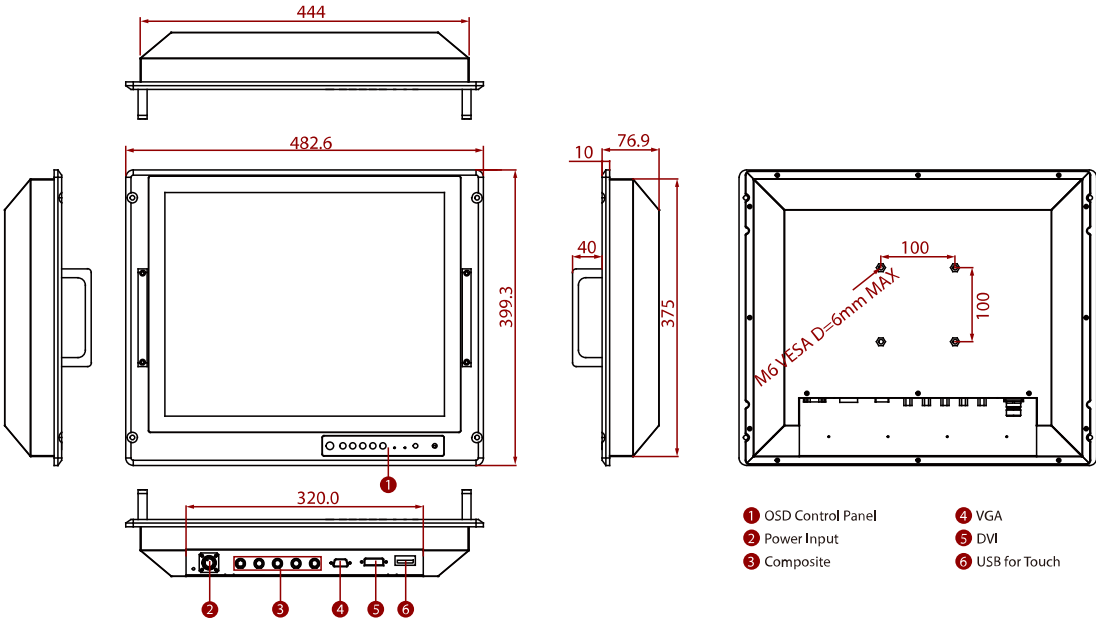### Auto Brightness Control with Built-in Light Sensor

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	1280x1024	**Size**	19.0 inches
Contrast Ratio	1000:1	**Panel Brightness**	350.0 nits

Display Color	16.7M Colors		View Angles	85,85,80,80
Active Area	376.32x301.06 mm		Touch / Glass	Projected Capacitive Multi Touch Screen PCAP with With ITO Flim (Optional)

Environment

Operating Humidity	10% to 95% RH		Operating Temperature	-20°C~60°C
Storage Temperature	-30°C~70°C		IP rating	Front IP65

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 5 x BNC (R,G,B,H,V) 1 x DVI-D

Mechanical

Dimension	482.6 x 399.3 x 79.6 mm		Mounting	Rack Mount/ VESA 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 VGA to 5 BNC Shielding Cable

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

444

482.6

399.3

10 76.9

40

375

320.0

100

100

M6 VESA D=6mm MAX

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

NOTE

1. 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.