R19L100-MLA3FP

Winmate R19L100-MLA3FP is a 19-inch PCAP Rack Mount Defence Display designed for defense operations, field command, and mission-critical mobility.

KEY FEATURES

- R19L100-MLA3FP, Winmate R19L100-MLA3FP, Winmate industrial display, industrial display, 19-inch industrial display, industrial display for defense operations, industrial display for field command, industrial display for mission-critical mobility, 19-inch PCAP Rack Mount Defence Display, projected capacitive touch
- Winmate R19L100-MLA3FP is a 19-inch PCAP Rack Mount Defence Display designed for defense operations, field command, and mission-critical mobility. This product helps industrial buyers, OEMs, and system integrators select a reliable Winmate solution for rugged, embedded, or mission-critical environments where performance, durability, and long lifecycle availability matter. Best for: The R19L100-MLA3FP is best suited for defense operations, field command, and mission-critical mobility, especially when teams need stable hardware integration, dependable field operation, and a supplier with industrial computing experience. Key specifications: Important product highlights include 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), and AC 100~240V, Universal, ±10%; DC 9~36V, ±10% (Optional). SEO search intent: This content is optimized for users searching for R19L100-MLA3FP, Winmate R19L100-MLA3FP, Winmate industrial display, industrial display, 19-inch industrial display, and industrial display for defense operations, and for purchase-intent queries related to industrial-grade Winmate hardware, rugged computing, embedded systems, and application-ready product solutions.
- 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

INTRODUCTION

Winmate R19L100-MLA3FP is a 19-inch PCAP Rack Mount Defence Display engineered for defense operations, field command, and mission-critical mobility. It combines 19-inch display with 1920x1080 resolution, 19", 1280 x 1024 resolution, and Compliant MIL-STD 810G/ MIL-STD 461E to support reliable operation in harsh industrial environments. With Rack mount mechanical design, supports VESA mount, the R19L100-MLA3FP helps OEMs, system integrators, and project teams deploy durable, configurable solutions for demanding field, factory, and mission-critical applications.

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.260521.250818

- Defence Display

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 (Default) PCAP with With ITO Film (Optional)

Environment

Operating Humidity	10% to 95% RH	**Operating Temperature**	-20°C~60°C
Storage Temperature	-30°C~70°C	**IP rating**	Front IP65
TEMPEST	USA: NSA NSTISSAM TEMPEST/1-92 (optional) NATO: NATO SDIP-27 (optional)		

Compliance

MIL-STD 461G	USA MILSTD461G CE101, CE102, RE101, RE102, CS118 (Default) MILSTD461G CS101, CS106, CS109, CS114, CS115, CS116, RS101, RS103 (Optional) NATO STANAG 4370/AECTP501 NCE01, NCE02, NRE01, NRE02, NCS12 (Default) STANAG 4370/AECTP501 NCS01, NCS07, NCS08, NCS09, NRS01, NRS02 (Optional)	**MIL-STD 810H**	USA: MIL-STD-810H (default): Vibration Method 514.6 Humidity Method 507.6 Transit Drop Method516.6 NATO (optional): Vibration Test STANAG 4370/AECTP-401 Shock STANAG 4370/AECTP-402 Procedure I Drop and Topple Test STANAG 4370/AECTP-404

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 (Default) VESA mount (Optional)
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

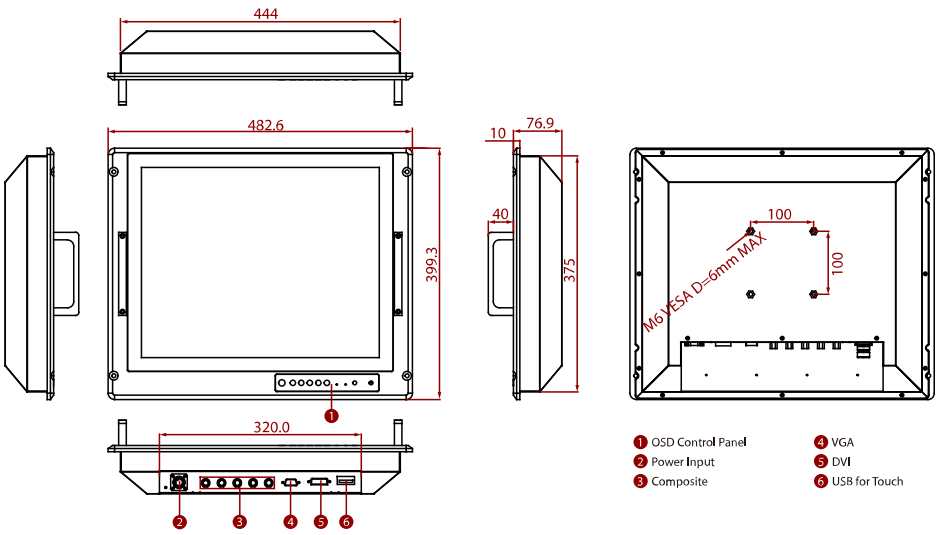
Power Rating	AC 100~240V, Universal, ±10% (Default) DC 9~36V, ±10% (Optional)

Control

Button	6 Key OSD Control Pad: Power/ Brightness DOWN, Brightness UP/ Night, Day/ Exit, Auto/ Menu

DIMENSIONS UNIT:MM

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.