

# 27" Rack Mount 4K UHD

# W27L100-MLA1FP/FG-4K

## Product Features

- 27" Display with UHD 4K (3840 x 2160) native resolution
- Dimmable 0-100% with backlight light sensing
- Thin and Compact Design with impact resistant screen
- Panel Mount design with front side removable handle
- AR protection Glass or Projected Capacitive Touch Screen
- Fanless and Ventless design, Easy to clean



Option 1  
With AR Protection Glass, No Touch function



Option 2  
With Projected Capacitive Multi Touch

## Product Specifications

<b>TFT Technology</b>	LED Backlight Technology, TFT Active-matrix, Widescreen, IPS Technology
<b>Viewable Size</b>	27" diagonal
<b>Active Area</b>	596.16"(H) x 335.54"(V) mm
<b>Native Resolution</b>	3840 x 2160 (UHD 4K)
<b>Pixel Pitch</b>	0.155 (H) x 0.155 (V) mm
<b>Aspect Ratio</b>	16:9
<b>Response Time</b>	12ms (Gray to Gray)
<b>Light Intensity</b>	300 cd/m2 (typ), Optional for high brightness 700cd/m2 (typ)
<b>Contrast Ratio</b>	1000:1 (typ)
<b>View Angle</b>	89/89/89/89
<b>Max Colors</b>	1.07B
<b>Synchronization Signal</b>	Digital Separate Sync., Composite Sync.,
<b>Auto-detect</b>	Sync. On Green
<b>Synchronization Range</b>	31.5 kHz to 60.0 kHz (H) - 30 Hz to 75 Hz (V)
<b>Optimal Resolution and Hz</b>	3840 x 2160 @ 60 Hz 4:4:4
<b>Detectable Resolutions (Partial List)</b>	640 x 480, 720 x 400, 800 x 600, 1024 x 768, 1280 x 1024, 1600 x 1200, 1920 x 1080, 1920 x 1200, 2560 x 1440, 3840 x 2160, 4096 x 2160
<b>Power Specifications</b>	AC 110~240V (Default) DC 24V (Optional) MIL-DTL-38999/1 Connector Power Consumption 50W typical, normal operation
<b>User Controls and Activity</b>	Option 1 : Power, Brightness Down/Up, Auto Adjustment, Main Menu, Day/Night Mode, Key Pad Control Option 2 : Power ON/OFF , Menu Brightness Control

<b>Input Signal</b>	<ul style="list-style-type: none"> <li>• DVI</li> <li>• HDMI 1.4</li> <li>• HDMI 2.0</li> <li>• Display Port 1.2</li> <li>• VGA</li> <li>• Audio Line In</li> <li>• RS232 for Optional Remote Control</li> <li>• USB for Optional Touch</li> </ul>
<b>Product Dimensions</b>	697.2 x 442 x 73.8 mm
<b>Cutout Dimension</b>	649.5 x 399.7 mm
<b>Mounting</b>	VESA mounting 100 x 100 mm VESA mounting 200 x 100 mm
<b>Product Weight</b>	9 Kg
<b>Touch</b>	Option 1 : AR Protection Glass (W27L100-MLA1FG-4K) Option 2 : Projected Capacitive touch (W27L100-MLA1FP-4K)
<b>Operating Temperature</b>	0 deg.C to 50 deg.C, Humidity up to 95% (Optional wide temperature solution by request)
<b>Storage Temperature</b>	-10 deg.C to 60 deg.C, Humidity up to 95%
<b>Order Information</b>	W27L100-MLA1FP-4K (with Projected Capacitive Multi Touch) W27L100-MLA1FG-4K (with AR Protection Glass, No Touch function)
<b>Certificates</b>	CE, FCC
<b>Compliance</b>	MIL-STD-810F/G MIL-STD-461F/G (RE101/RE102), (CE101/CE102)



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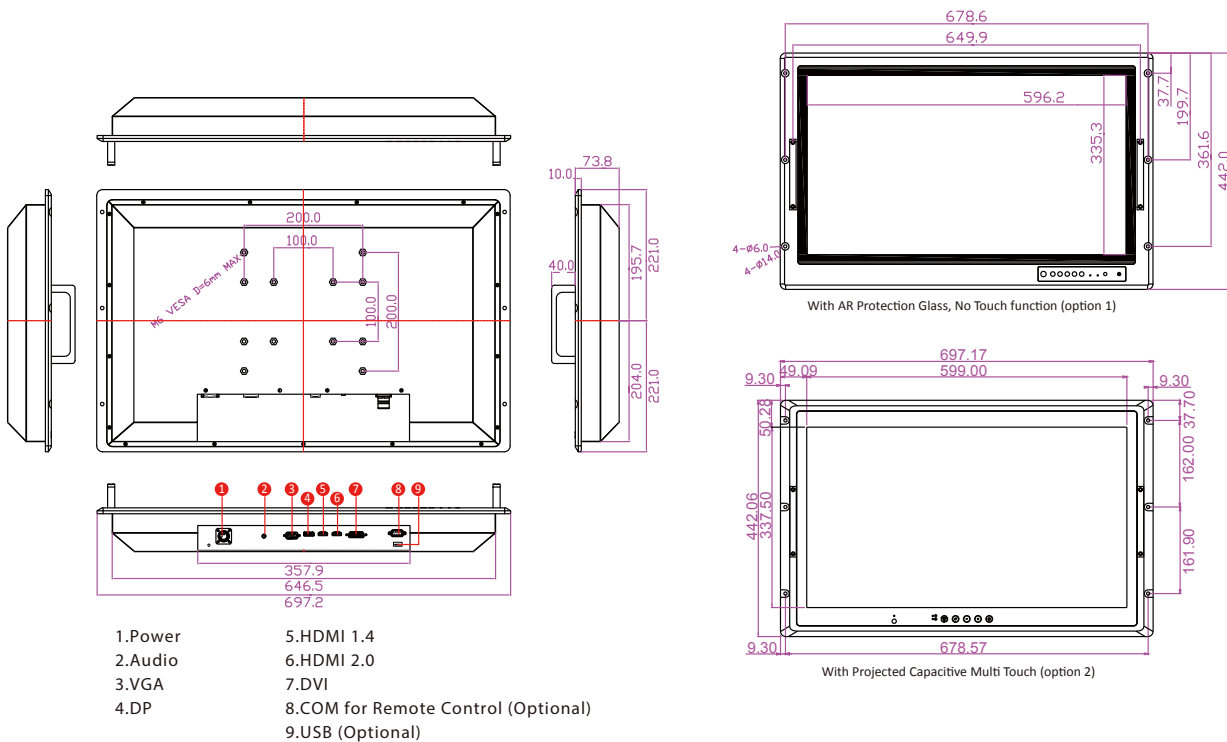
## Military Grade EMC Compliance

EMC (MIL-STD 461E/F Compliance)			
EMC Test Spec	Type of Test	Frequency Range	Requirement
CE101	Conducted Emissions	30Hz ~10kHz	30Hz ~ 1kHz :110 dB 1k-10k:110-90 dB
CE102	Conducted Emissions	30Hz ~10kHz	10kHz ~ 500kHz: 100-66dB, 500kHz~10MHz:66dB
RE101	Radiated Emissions	30Hz ~100kHz	(30~100k :180-110 dBpT)
RE102	Radiated Emissions	10kHz ~18GHz	(2MHz~18G Hz: 44-89 dB)

## Military Grade Environmental Compliance

Environmentals (MIL-STD 810F/G Compliance)		
Low Pressure	Operating	15,000 ft, Method 500.5 / Procedure II
	Storage	15,000 ft, Method 500.5 / Procedure I
Salt Fog	Method 509.5	
Vibration	5 ~ 500 Hz, 1.48 & 1.90 & 2.24 Grms Method 514.6 / Procedure I	
Transit Drop	Method 516.6 / Procedure IV	
Shock	Method 516.6 / Procedure I	

## Mechanical Drawing



## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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