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

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

Input Signal	• DVI • HDMI 1.4 • HDMI 2.0 • Display Port 1.2 • VGA • Audio Line In • RS232 for Optional Remote Control • USB for Optional Touch
Product Dimensions	697.2 x 442 x 73.8 mm
Cutout Dimension	649.5 x 399.7 mm
Mounting	VESA mounting 100 x 100 mm VESA mounting 200 x 100 mm
Product Weight	9 Kg
Touch	Option 1 : AR Protection Glass (W27L100-MLA1FG-4K) Option 2 : Projected Capacitive touch (W27L100-MLA1FP-4K)
Operating Temperature	0 deg.C to 50 deg.C, Humidity up to 95% (Optional wide temperature solution by request)
Storage Temperature	-10 deg.C to 60 deg.C, Humidity up to 95%
Order Information	W27L100-MLA1FP-4K (with Projected Capacitive Multi Touch) W27L100-MLA1FG-4K (with AR Protection Glass, No Touch function)
Certificates	CE, FCC
Compliance	MIL-STD-810F/G MIL-STD-461F/G (RE101/RE102), (CE101/CE102)

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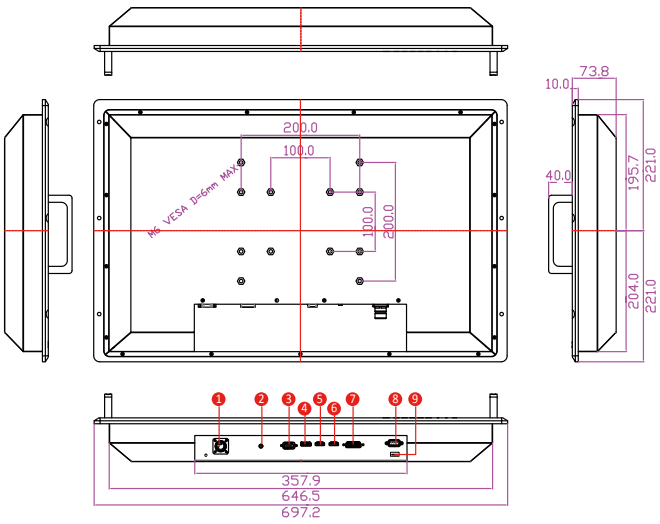
Military Grade EMC Compliance

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)

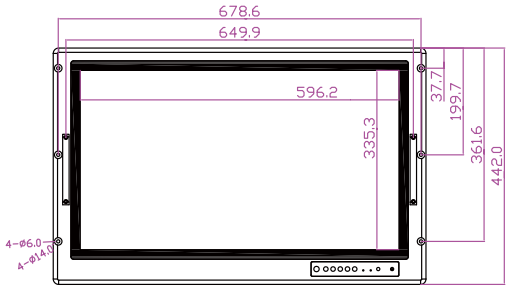
Military Grade Environmental Compliance

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	

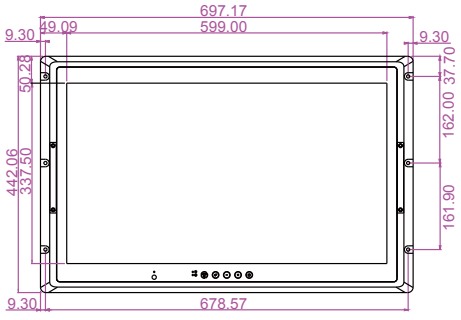
Mechanical Drawing



1.Power
2.Audio
3.VGA
4.DP
5.HDMI 1.4
6.HDMI 2.0
7.DVI
8.COM for Remote Control (Optional)
9.USB (Optional)



With AR Protection Glass, No Touch function (option 1)



With Projected Capacitive Multi Touch (option 2)

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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