



# Planar QE8650

4K LCD Display

The Planar® QE8650 is an Ultra HD resolution (3840 x 2160) LCD display that provides an impressive end-to-end solution for designing, distributing and playing back ultra-high resolution content on a single display or multiple displays within a network, dramatically reducing installation cost and complexity. Available with an embedded media player and cutting-edge 4K @ 60Hz support through DisplayPort 1.2 and HDMI 2.0, the Planar QE8650 is ideal for applications ranging from dynamic digital signage to collaborative meeting spaces.



SPECIFICATION	DETAIL
Product Name	Planar QE8650
Planar Part Number	997-8797-00
Display Resolution	Ultra HD (3840 x 2160)
Screen Size	86 in. (diagonal)
Aspect Ratio	16:9
Display Active Area	74.6" x 42.0" (1895mm x 1066mm)
Cabinet Dimensions (W x H x D)	75.8" x 43.2" x 3.3" (1926mm x 1097mm x 84mm)
Bezel Width	0.61" (15.6mm) left/right; 0.62" (15.7mm) top/bottom
Brightness (typ)	500 nits
Response Time (typ)	6 ms
Frame Rate	120Hz
Contrast Ratio (typ)	1200:1
Contrast Ratio - Dynamic	20,000:1
Viewing Angle (typ)	178°
Color Gamut	72% NTSC
Display Color	>1 billion colors. Full 10 bit data path
Modes	3840x2160 @ 24/25/30/60Hz; 1920x1080 @ 24/25/30/50/60Hz; 480p, 576p, 720p @ 50/60 Hz; 1080p @ 24/25/30/50/60Hz; 1080i @ 50/60 Hz
Pixel Pitch	0.429 mm
Weight	126 lbs (57 kg)
Backlight	LED

<b>Line Voltage</b>	100-240V; 50/60Hz
<b>Power Consumption (typ)</b>	165W (standby: <1W)
<b>Operating Temperature</b>	0° to +35°C (32° to 95°F) at up to 1500m, 0° to +30°C (32° to 86°F) at up to 3000m
<b>Humidity</b>	20 - 85% RH (non-condensing)
<b>Approvals</b>	FCC Class A, CE, cTUVus
<b>External Connections</b>	DisplayPort 1.2 x 1, HDMI 2.0 x 2 (HDCP 2.2), HDMI 1.4 x 2
<b>Audio Output</b>	PC Line Out, S/PDIF
<b>Multi-Source Views</b>	Quad only
<b>Display Control</b>	IR, RS-232, LAN, Keypad
<b>Speakers</b>	10W x 2 built-in
<b>Orientation</b>	Landscape/Portrait
<b>Mounting</b>	VESA: 600 x 400 mm
<b>Installed Depth with Optional Wall Mount</b>	6.8" (173mm)
<b>Fanless</b>	Yes
<b>HD format</b>	4K UHD 2160p
<b>Display Technology</b>	Edge-lit LED LCD
<b>Recommended Usage</b>	Up to 24x7 operation
<b>Warranty</b>	3 years Advance Exchange
<b>Options / Features</b>	Embedded Planar ContentSmart Media Player and software (Compatible with only Microsoft® Windows® Vista, 7, 8 and 10), Scheduling, TAA compliant
<b>Embedded Media Player: Resolution</b>	UHD 4K (3840x2160) @ 60Hz
<b>Embedded Media Player: Local Storage</b>	16 GB flash memory
<b>Embedded Media Player: Connections</b>	Ethernet, USB x2
<b>Embedded Media Player: Software</b>	Planar ContentSmart Digital Signage Software (included). Compatible with only Microsoft® Windows® Vista, 7, 8 and 10.
<b>Embedded Media Player: Operating System</b>	Android
<b>Embedded Media Player: Supported Video Codec</b>	MPEG-1, MPEG-2, MPEG-4, VC-1, H.264 (AVC), H.265 (HEVC), HTML5, SMIL
<b>Embedded Media Player: Supported Image Formats</b>	JPEG, PNG
<b>In the Box</b>	QE8650 display, power cord, IR sensor, USB (A to B) cable, remote control, and USB drive containing User Manual and USB-to-serial driver
<b>UPC</b>	8 10689 00390 8

For more information, please visit [www.leyard.com](http://www.leyard.com)

*Specifications are subject to change without notice.*

*Specification Report Date: 12/14/2018*

*© Copyright 2018 Leyard All rights reserved*