

Equipment Description

The Equipment Under Test (EUT) is the LG Electronics U.S.A., Inc. Network Monitor, N1642WT.

General Specification

Display	15.6 inches (39.6 cm) Flat Panel Active matrix-TFT LCD, Anti-Glare coating Visible diagonal size: 39.6 cm 0.252*0.252 mm pixel pitch		
Sync Input	RGB	Horizontal Freq.	30 - 66 kHz (Automatic)
		Vertical Freq.	57 - 63 Hz (Automatic)
	RGB support 60Hz only(except Dos mode)		
	X-PORT	1440 x 900 (60Hz)	1280 x 720 (60Hz)
		1280 x 1024 (60Hz)	800 x 600 (72Hz)
		1024 x 768 (60Hz)	1360 x 768 (60Hz)
Video Input	RGB	Signal Input	15 pin D-Sub Connector
		Input Form	RGB Analog (0.7 Vp-p/ 75 ohm)
	X-PORT	Signal Input	X-PORT Connector
		Input Form	X-PORT Signal
Resolution	Max	VESA 1360 x 768 @60 Hz	
	Recommend	VESA 1360 x 768 @60 Hz	
Plug&Play	DDC 2B (Only for RGB)		
Power Consumption	On Mode	:	20W(Typ.)
	Sleep Mode	≤	1 W
	Off Mode	≤	1 W
Dimensions & Weight	With Stand		Without Stand
	Width	38.17 cm / 15.03 inches	38.17 cm / 15.03 inches
	Height	32.39 cm / 12.75 inches	26.03 cm / 10.25 inches
	Depth	19.84 cm / 7.81 inches	5.67 cm / 2.23 inches
	Net	2.6 kg (5.78 lbs)	
Tilt Range	Tilt	-5° ~ 20°	
Power Input	AC 100-240V~ 50/60Hz 0.8A		
Environmental Conditions	Operating Conditions		
	Temperature	10°C to 35 °C	
	Humidity	10 % to 80 % non-Condensing	
	Storage Conditions		
	Temperature	-20°C to 60 °C	
	Humidity	5 % to 90 % non-Condensing	
Stand Base	Attached (), Detached (O)		
Power cord	Wall-outlet type		

EUT Operating Conditions

- a. Setup the EUT and Peripherals as shown in Sec. 3.2 of the test report.
- b. Turn on the power of all equipment and the EUT.
- c. Set the contrast & brightness of EUT to maximum.
- d. PC system ran the self-test program “EMC Test” by windows XP and sent “H” characters to EUT through graphic card, the EUT’s screen displayed and filled with “H” pattern by its resolution (Via D-Sub & X-PORT Input)
- e. In X-PORT mode, PC system played music and sent audio signal to EUT through the X-PORT of EUT.
- f. Repeat above procedure from c to e for difference test mode.
- g. The other peripherals devices were driven and operated during the test.
- h. The test modes are as follows:

Test Mode
D-Sub 640*480@60Hz
D-Sub 1024*768@60Hz
D-Sub 1360*768@60Hz
X-PORT 800*600@72Hz
X-PORT 1024*768@60Hz
X-PORT 1440*900@60Hz