

# Gateway 18-inch LCD TV Specifications

Specifications are subject to change without notice or obligation.

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<b>Display Panel</b>	
Screen size	Diagonal 18-inch
Aspect ratio	4:3 wide
Number of pixels	1024 (Horizontal, RGB Trio) × 768 (Vertical) pixels
Pixel pitch	0.3585 × 0.3585 mm
Luminance	450 cd/m <sup>2</sup> , at APL13% typical
Contrast ratio	350:1 typical
Response time	25 ms typical
Colors	16.7 M colors / 8 bits
Viewing angle	80° Horizontal / +50,-60° Vertical

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<b>Power Source</b>	
Input voltage	90 ~ 240 Vac, 47.5 Hz -63 Hz
Input current	2.0 A
Power consumption	60 ± 10% Watts typical
Stand-by and Power Save	8 Watts max.

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<b>Connector Types</b>	
1	RCA jacks for audio, video, and YP <sub>B</sub> P <sub>R</sub>
1	6-pin Din S-terminal for S-Video
1	15-pin D-SUB for RGB
1	F-terminal coax

<b>Video Signal</b>	
Type	Analog
Polarity	Positive
Amplitude	0.7 Vp-p
Sync	0.3 V below video
Frequency	H: 15.734 KHz V: 60 Hz (NTSC) H: 15.625 KHz V: 50 Hz (PAL)
Input impedance	75 ohms

<b>YP<sub>B</sub>P<sub>R</sub> Signal (Component)</b>	
Type	Analog
Polarity	Positive
Amplitude	Y: 1 Vp-p, C: 0.286 Vp-p
Sync	0.3 V below video
Frequency Y/P <sub>B</sub> /P <sub>R</sub>	H: 15.734 KHz V: 60 Hz (NTSC) H: 15.625 KHz V: 50 Hz (PAL)

**RGB Signal**

Type	Analog
Polarity	Positive or Negative
Amplitude	RGB: 0.7 Vp-p
Frequency	H: support to 30 K~82 KHz V: support to 50~75 Hz

**Audio Signal**

Analog 500 mV rms /more than 22 Kohm

**Pin Assignments for D-SUB Connector (In/Loop Out)**

Pin	Signal Assignment	Pin	Signal Assignment	Pin	Signal Assignment
1	RED	6	RED GND	11	NC
2	GREEN	7	GREEN GND	12	SDA
3	BLUE	8	BLUE GND	13	H-SYNC
4	NC	9	+5 V for DDC	14	V-SYNC
5	GND	10	GND	15	SCL

<b>RGB For VESA Standard</b>							
<b>Mode No.</b>	<b>Resolution</b>	<b>Refresh Rate (Hz)</b>	<b>Horizontal Frequency (KHz)</b>	<b>Vertical Frequency (Hz)</b>	<b>V-Sync Polarity (TTL)</b>	<b>H-Sync Polarity (TTL)</b>	<b>Dot Rate (MHz)</b>
1	640 (VGA) × 480	60	31.5	59.94	-	-	25.175
2	640 (VGA) × 480	72	37.9	72.81	-	-	31.500
3	640 (VGA) × 480	75	37.5	75	-	-	31.500
4	640 (VGA) × 480	85	43.3	85.01	-	-	36.000
5	800 (SVGA) × 600	56	35.1	56.25	+	+	36.000
6	800 (SVGA) × 600	60	37.9	60.317	+	+	40.000
7	800 (SVGA) × 600	72	48.1	72.19	+	+	50.000
8	800 (SVGA) × 600	75	46.9	75	+	+	49.500
9	800 (SVGA) × 600	85	53.7	85.06	+	+	56.250
10	1024 (XGA) × 768	60	48.4	60.01	-	-	65.000
11	1024 (XGA) × 768	70	56.5	70.07	-	-	75.000
12	1024 (XGA) × 768	75	60.0	75.03	+	+	78.750
13	1024 (XGA) × 768	85	68.7	84.99	+	+	94.500
14	720 (DOS) × 400	70	31.46	70.08	+	-	28.320
15	640 (VGA) × 480	50	31.5	50	-	-	25.175
16	640 (VGA) × 350	70	31.50	70	-	-	25.175

<b>RGB For Apple Standard</b>							
<b>Mode No.</b>	<b>Resolution</b>	<b>Refresh Rate (Hz)</b>	<b>Horizontal Frequency (KHz)</b>	<b>Vertical Frequency (Hz)</b>	<b>V-Sync Polarity (TTL)</b>	<b>H-Sync Polarity (TTL)</b>	<b>Dot Rate (MHz)</b>
18	640 × 480	67	35.00	66.67	-	-	30.240
19	832 × 624	75	49.73	74.55	-	-	57.283

**YP<sub>B</sub>P<sub>R</sub> for Component**

Mode	Resolution	Refresh Rate
1	640 × 480i	60

**Maximum Resolution**

Up to 1024 × 768

**Dimensions With/Stand**

Width	21.26 in. (540 mm)
Height	16.18 in. (411 mm)
Depth	9.37 in. (238 mm)

**Package Dimensions**

Width	24.41 in. (620 mm)
Height	20.47 in. (520 mm)
Depth	12.6 in. (320 mm)

**Weight**

Net weight	14.11 lbs (6.4 kgs)
Gross weight	20.5 lbs (9.3 kgs)

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**Operating**

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Temperature	0~40°C (32~104°F)
Relative humidity	10~90%
Pressure	0~10,000 feet

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**Non-Operating**

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Temperature	-20~60°C
Relative humidity	10~90%
Pressure	
Vibration	1.0 G / 5~250 Hz (sweep), 60 min. per axis

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**Sound**

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2 Speakers	3 W
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**Reliability Requirement**

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The MTBF is 50,000 hours under operation at 25±5°C (Half luminosity, motion picture)

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**Emissions Requirement**

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Your LCD TV meets the EMI limits in all screen modes as qualified by FCC class B part 15.

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Many products for Gateway and its subsidiaries are custom engineered by our suppliers to Gateway specifications and may vary from similarly marketed products.

MAN MON 18" LCD TV SPEC R0 7/03



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