

# Gateway 17-inch LCD TV Specifications

Specifications are subject to change without notice or obligation.

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<b>Display Panel</b>	
Screen size	Diagonal 17-inch
Aspect ratio	16:9 wide
Number of pixels	1280 (Horizontal, RGB Trio) × 768 (Vertical) pixels
Luminance	423 cd/m <sup>2</sup> , at APL13% typical
Contrast ratio	600:1 typical
Response time	25 ms typical
Colors	16 M colors / 24 bits
Viewing angle	85°/ 85° min.

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<b>Power Source</b>	
Input voltage	90 ~ 240 Vac, 50/60 Hz
Input current	2.0, 5.0 A max.
Power consumption	65 ± 10% Watts typical
Stand-by and Power Save	3 Watts max. @ 110 VAC

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<b>Connector Types</b>	
2	RCA jacks for audio and video
1	6-pin Din S-terminal for S-Video
1	15-pin D-SUB for RGB
1	30-pin DVI-D
1	1/8-inch stereo mini-jack for headphones
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>S-Video Signal</b>	
Type	Analog
Polarity	Positive
Amplitude	0.7 Vp-p, 0.3 Vp-p burst
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

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**RGB Signal**

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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

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**DVI Signal**

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Type	Digital
Polarity	Positive or Negative
Frequency	H: support to 30 K~82 KHz V: support to 50~75 Hz

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**Audio Signal**

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Analog 500 mV rms /more than 22 Kohm

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

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

**Pin Assignments for 24 Pin DVI Connector (Digital Only)**

<b>Pin</b>	<b>Signal Assignment</b>	<b>Pin</b>	<b>Signal Assignment</b>	<b>Pin</b>	<b>Signal Assignment</b>
1	TMDS Data 2-	9	TMDS Data 1-	17	TMDS Data 0-
2	TMDS Data 2+	10	TMDS Data 1+	18	TMDS Data 0+
3	Logic GND	11	Logic GND	19	Logic GND
4	NC	12	NC	20	NC
5	NC	13	NC	21	NC
6	DDC 2B Clock	14	Power	22	TMDS Clock Shield
7	DDC 2B Data	15	Ground	23	TMDS Clock +
8	NC	16	Hot Plug Detect	24	TMDS Clock -

<b>RGB/DVI 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	720 (DOS) × 400	70	31.46	70.08	+	-	28.320
14	640 (VGA) × 480	50	31.5	50	-	-	25.175
15	640 (VGA) × 350	70	31.50	70	-	-	25.175
16*	1280 × 768	60	47.98	59.83	-	+	81.000
17*	1280 × 768	75	60.15	75.00	-	+	102.977

\*Native resolution

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**RGB/DVI For Apple Standard**

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<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

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**Maximum Resolution**

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Up to 1280 × 768

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**Dimensions With/Stand**

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Width 20.20 in. (513 mm)

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Height 13.39 in. (340 mm)

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Depth 6.26 in. (159 mm)

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**Package Dimensions**

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Width 23.03 in. (585 mm)

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Height 17.72 in. (450 mm)

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Depth 8.66 in. (220 mm)

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**Weight**

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Net weight 14.88 lbs (6.75 kgs)

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Gross weight 22.60 lbs (10.25 kgs)

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**Operating**

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Temperature	3~35°C (41-95°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	0~40,000 feet
Vibration	X/Y/Z, 1.0 G / 5~250 Hz (sweep), 60 min. per axis

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**Acoustics**

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(IHF A-weighted 1 meter)	40 dB Max.
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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 17" LCD TV SPEC R0 7/03



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