

# Avocent LCD Console Trays

## Single Access Point for Your Data Center Rack

Infrastructure Management &  
Monitoring for *Business-Critical  
Continuity™*

### ECS17KMM/8/16 LCD PANEL: Detailed Specifications

Resolution/ Timing	640x350 @70Hz	720x400 @70Hz	640x480 @60Hz	640x480 @75Hz	800x600 @60Hz	800x600 @75Hz
Pixel Clock (MHz)	25.175	28.324	25.175	31.500	40.000	49.500
Sync Polarity(H/V)	P/N	N/P	N/N	N/N	P/P	P/P
Scanning Type	Progressive	Progressive	Progressive	Progressive	Progressive	Progressive
Horiz Frequency(kHz)	31.468	31.469	31.469	37.500	37.879	46.875
Periods (μs)	31.778	31.780	31.778	26.667	26.400	21.333
Active time (μs)	26.418	25.420	25.422	20.317	20.000	16.162
Front porch (μs)	0.638	0.640	0.636	0.508	1.000	0.323
Sync width (μs)	3.823	3.810	3.813	2.032	3.200	1.616
Back porch (μs)	1.909	1.906	1.907	3.810	2.200	3.232
Vert Frequency(Hz)	70.090	70.082	59.940	75.000	60.317	75.000
Periods (ms)	14.268	14.270	16.683	13.330	16.579	13.333
Active time (ms)	11.122	12.710	15.253	12.800	15.840	12.800
Front porch (ms)	0.381	0.413	0.064	0.027	0.026	0.021
Sync width (ms)	0.064	0.064	0.064	0.080	0.106	0.064
Back porch (ms)	1.111	1.080	0.794	0.427	0.626	0.448

Resolution/ Timing	1024x768 @60Hz	1024x768 @75Hz	1152x864 @60Hz	1152x864 @75Hz	1280x1024 @60Hz	1280x1024 @75Hz
Pixel Clock (MHz)	65.000	78.750	80.000	108.00	108.50	135.00
Sync Polarity(H/V)	N/N	P/P	P/P	P/P	P/P	P/P
Scanning Type	Progressive	Progressive	Progressive	Progressive	Progressive	Progressive
Horiz Frequency(kHz)	48.363	60.023	54.348	67.500	63.974	19.978
Periods (μs)	20.677	16.660	18.400	14.815	15.631	12.504
Active time (μs)	15.754	13.003	14.400	10.667	11.797	9.481
Front porch (μs)	0.369	0.203	0.400	0.593	0.590	0.119
Sync width (μs)	2.092	1.219	1.200	1.185	1.180	1.067
Back porch (μs)	2.462	2.235	2.400	2.370	2.065	1.837
Vert Frequency(Hz)	60.004	75.029	60.053	75.029	60.013	75.025
Periods (ms)	16.666	13.328	16.652	13.333	16.663	13.329
Active time (ms)	15.880	12.795	15.898	12.800	16.006	2.804
Front porch (ms)	0.062	0.017	0.017	0.015	0.016	0.013
Sync width (ms)	0.124	0.050	0.055	0.044	0.047	0.038
Back porch (ms)	0.600	0.466	0.681	0.474	0.594	0.475

Input Signal	Description	Unit	Min	Typical	Max	Remarks
DC Input	DC Voltage	Vdc	11.5	12	12.5	
	Power Consumption	Watts	-	21	23	
15 Pin D-Sub	Video(SOG)	V <sub>p-p</sub>		0.714(1.0)		75Ω Terminated
	Sync Voltage	V <sub>p-p</sub>		5		
	Horiz Freq	kHz	30	60	80	Depends on Mode
	Vert Freq	Hz	55	75	77	Depends on Mode

Mode	H-Sync	V-Sync	Video signal	LED Indication	Power Consumption (nominal)
On	Active	Active	Active	Green LED	< 24 W
Stand-by	Inactive	Active	Blanked	Amber Blink 1 sec	< 1 W
Suspend	Active	Inactive	Blanked	Amber Blink 1 sec	
Off	Inactive	Inactive	Blanked	Off	

Item	Description	Unit
Size	17" Diagonal	Inch
Active Display Area	337.92(H) x 270.336(V)	Mm
Number of Pixels	1280 (H) x 1024 (V)	Pixel
Pixel Arrangement	RGB Vertical Stripe	
Pixel Pitch	0.264(H) x 0.264(V)	Mm
Color Depth	16.7M True Color	
Surface Treatments	Hard Coating (3H), Haze 25%	
Viewing Angle	Horizontal: $\theta_L = 80$ $\theta_R = 80$ Vertical: $\Phi_H = 80$ $\Phi_L = 80$	Degree
Contrast Ratio (CR ≥ 10)	Typ. 1000:1	
Response Time (CR ≥ 10)	Rise time (tr): 1.3ms (Typ.) Fall time(tr) 3.7ms (Typ.)	Ms
Luminance of White	Typ. 250 cd/m <sup>2</sup>	Center of screen
CCFT	2	Lamp
Resolution Details	Hor: 31 to 80 KHz Ver: 56 to 75 Hz Analog RGB: VGA/SVGA/XGA/SXGA	