



TFT-LCD panel line-up

Comprehensive PDF datasheets are available for all SHARP models listed. To download a specific model, please see the DATASHEET ARCHIVE at the Microelectronics page of www.sharp.net.au or www.sharp.net.nz

	narrow aspect ratio				specialty panels				16:9 wide aspect ratio													
	15" panel LQ150X1LG71	15" panel LQ150X1LW71N	19" panel LQ190E1LW02	20.1" panel LQ201U1LW21	23.1" panel LQ231U1LW01	28.1" panel LQ281L1LW11	28.3" panel LQ283G1TW11	18.5" panel LQ185K1LxxxCCFL	18.5" panel LQ185K1LxxxLED LED Backlight	20" panel LQ200T3LZ18	21.5" panel LQ215M1Lxxx LED Backlight	32" panel LK315T3LA24	32" Full HD LK315T3LZ7x Double Frame Rate	37" panel LK370T3LZ63	40" Full HD LK400D3LA24 Double Frame Rate	46" Full HD LK460D3LZ18	52" Full HD LKS20D3LZ18	60" Full HD LK600D3xxxx Double Frame Rate	65" Full HD LK645D3LZ29	82" Full HD LK816D3LA1x 1500 Candella	108" Full HD Finished Monitor	
Display Type	TFT, Transmissive	TFT, Transmissive	TFT, Transmissive	TFT, Transmissive	TFT, Transmissive	TFT, Transmissive	TFT, Transmissive	TFT, Transmissive	TFT, Transmissive	TFT, Transmissive	TFT, Transmissive	TFT, Transmissive	TFT, Transmissive	TFT, Transmissive	TFT, Transmissive	TFT, Transmissive	TFT, Transmissive	TFT, Transmissive	TFT, Transmissive	TFT, Transmissive	TFT, Transmissive	TFT, Transmissive
Aspect Ratio	4 : 3	4 : 3	4 : 3	4 : 3	4 : 3	1 : 1	4 : 3	16 : 9	16 : 9	16 : 9	16 : 9	16 : 9	16 : 9	16 : 9	16 : 9	16 : 9	16 : 9	16 : 9	16 : 9	16 : 9	16 : 9	16 : 9
Module Size (mm)	326w x 252h	331.6w x 254.76h	404.2w x 330h	432w x 331.5h	530w x 432.8h	547w x 547h	640w x 530h	430.37w x 254.6h	430.37w x 254.6h	472w x 275h	495.6w x 292.2h	760w x 450h	760w x 450h	877w x 514.6h	952w x 551h	1083w x 627h	1219w x 706.7h	1401.1w x 820.4h	1555.3w x 907h	1093.6w x 1878.6h	2,572 x 1,550	
Module Thickness (mm)	11.2	12.5	20	25	32.5	60 / 83	60	15.84	9.8	20.5	9.85	50.1	TBA	56	50.8	58.5	63	43	100	79.9	202	
Active Area - w x h (mm)	304.1 x 228.1	304.1 x 228.1	376 x 301	408.0w 306.0h	470.4 x 352.8	503.8 x 503.8	560.64 x 448.51	409.8 x 230.4	409.8 x 230.4	443 x 249	476.64 x 268.11	697 x 392	698.4 x 392.85	819.60 x 460.80	885.6 x 498.15	1018 x 572.67	1152 x 648	1329.12 x 747.63	1428.5 x 803.5	1015.74 x 1805.768	TBA	
Resolution	XGA	XGA	SXGA	UXGA	UXGA	Square High-resolution Panel	QSXGA	WXGA max	WXGA max	WXGA max	HDTV	WXGA max	HDTV	WXGA max	HDTV	HDTV	HDTV	HDTV	HDTV	HDTV	HDTV	HDTV
Weight-Module (kg)	1.1	1.3	2.8	3.2	5.5	15	15	2.1	1.8	2.8	TBD	7.5	TBA	9.2	TBC	17.1	19	TBC	43.7	TBC	195	
Colours	16.7 million	16.7 million	16.7 million	16.7 million	16.7 million	16.7 million	16.7 million	16.7 million	16.7 million	16.7 million	16.7 million	16.7 million	1.06B (8bit+FRC)	16.7 million	1.06B (8bit+FRC)	16.7 million	16.7 million	1.06B (8bit+FRC)	16.7 million	16.7 million	16.7 million	16.7 million
Viewing Angle (up-down / left-right)	110 / 120	170 / 170	170 / 170	176 / 176	170 / 170	170 / 170	170 / 170	160 / 170	160 / 170	176 / 176	160 / 170	176 / 176	176 / 176	176 / 176	176 / 176	176 / 176	176 / 176	176 / 176	176 / 176	176 / 176	176 / 176	176 / 176
Contrast Ratio	550 : 1	400 : 1	400 : 1	500 : 1	500 : 1	450 : 1	400 : 1	1000 : 1	1000 : 1	1200 : 1	1000 : 1	1500 : 1	2000 : 1	1200 : 1	3000 : 1	800 : 1	1200:1	3000 : 1	2000 :1	1500 : 1	1200 : 1	
CCFL Life (minimum) Hours	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	30,000	60,000	30,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	
Typical Brightness (cd / m2)	250	250	300	250	250	225	225	300	300	500	250	450	450	500	500	500	450	500	400	1500 candella	400	
Storage temperature range (Celsius)	-25 to +60	-25 to +60	-20 to +60	-25 to +60	-20 to +60	-25 to +60	-25 to +60	20 to +60	20 to +60	-25 to +60	-25 to +60	-25 to +60	-25 to +60	-25 to +60	-25 to +60	-25 to +60	-25 to +60	-25 to +60	-25 to +60	-25 to +60	TBA	
Operational temperature range (C)	0 to +60	0 to +50	0 to +55	0 to 50	0 to 45	0 to 40	0 to 40	0 to +50	0 to +50	0 to +50	0 to +50	0 to +50	0 to +50	0 to +50	0 to +50	0 to +50	0 to +50	0 to +50	0 to +50	0 to +50	TBA	
Interface	LVDS	LVDS	LVDS	LVDS	LVDS	LVDS	LVDS	LVDS	LVDS	LVDS	LVDS	LVDS	4ch LVDS	LVDS	8bit+FRC LVDS	LVDS	LVDS	8bit+FRC LVDS	LVDS	LVDS	LVDS	Multiple including 3 x HDMI + 1 x DVI
Response time (typical)	8ms (b to w)	25ms	10ms	22ms	15ms	25ms	25ms	5ms	5ms	8ms	8ms	8ms	6ms	6ms	4ms	6ms	6ms	TBC	6ms	6ms	6ms	
Frame Rate	60Hz	60Hz	60Hz	60Hz	60Hz	60Hz	60Hz	60Hz	60Hz	60Hz	60Hz	60Hz	120Hz	60Hz	120Hz	60Hz	60Hz	120Hz	60Hz	60Hz	60Hz	
Comments	Newly introduced model with long life cycle	Wide viewing angle model	Recent model released	medical and other applications - Price range around US\$730	medical and similar applications - price range around US\$970	Air traffic control use applications. Price range around US\$10,000	Air traffic control use applications. Price range around US\$10,000	Landscape	LED Backlight, thin module (depth)	Wide viewing angle and high contrast.	Full HD, LED back light and thin module (depth)	Landscape	1080P - 32", 120Hz double frame rate. High density: 69.8ppi	Landscape	Double Frame Rate, ultra thin design, high contrast and colours	New replacement for older 45" model.	Landscape	Double Frame Rate, ultra thin design, high contrast and colours	Landscape	Super high bright and portrait for digital signage market	Largest monitor (LCD or Plasma) worldwide	
Number of panels per carton	10pcs	5pcs	5pcs	2pcs	2pcs	2pcs	2pcs	TBD	TBD	10pcs	TBD	10pcs	TBD	5pcs	TBC	5pcs	8pcs	TBC	4pcs	TBA	1pc	
Carton dimensions (mm)	434mm (W) 395mm (D) 338mm (H)	319 (W) 402 (H) 280 (D)	499 (W) 250 (D) 464 (H)	583 (W) 478 (H) 215 (D)	565 (W) 661 (D) 221 (H)	794 (W) 399 (H) 866 (D)	840(W) 399(H) 802(D)	TBD	TBD	706(W) 548 (H) 356 (D)	TBD	900 (W) 870 (D) 681 (H)	TBD	980 (W) 460 (D) 721 (H)	TBC	1190 (W) 575 (D) 825 (H)	1320 (W) 1110 (D) 940 (H)	TBC	1654 (W) 746 (D) 1099 (H)	TBA	TBA	
Carton Weight (kg)	13	8.2 kg	14 kg	8.9kg	12kg	43kg	43kg	TBD	TBD	33 kg	TBD	90 kg	TBD	55 kg	TBC	110 kg	225 kg	TBC	198 kg	TBA	TBA	
Maximum piling of cartons	6	5	3: air 4: ship	8 (storage)	8 (storage)	2	2	TBD	TBD	4	TBD	3	TBD	3	TBC	2	2	TBC	2	TBA	1	
Lead Time (from month of PO)	8 to 12 weeks	8 to 12 weeks	8 to 12 weeks	8 to 12 weeks	8 to 12 weeks	8 to 12 weeks	8 to 12 weeks	Availability on application	Availability on application	8 to 12 weeks	Availability on application	8 to 12 weeks	Availability on application	8 to 12 weeks	In Production from October 2009	Physical stock available	Physical stock available	In Production from October 2009	Physical stock available	Availability on application	8 to 12 weeks	

To find a distributor near you or for technical enquires, please contact your local Sharp office directly.

AUSTRALIA

 Sharp Electronics (Sydney office)
tdobbie@sharp.net.au
 Mobile: 0422 018 050
 DID: 02 9830 4812
 Fax: 02 9672-1207
www.sharp.net.au

NEW ZEALAND

 Sharp Corporation of New Zealand
mbevan@sharp.net.nz
bnicholls@sharp.net.nz
gdye@sharp.net.nz
 Ph: 09 573 0111
 Fax: 09 573 0112
www.sharp.net.nz

S.E. ASIA, MIDDLE EAST and AFRICA

 Sharp Electronics (Singapore office)
d.koike@sesi.sharp-world.com
cs.yap@sesi.sharp-world.com
 Tel: +65 6304 2500
 Fax: +65 6304 2599
www.sesi-sharp.com

INDIA

 Sharp Electronics (Pune and Bangalore offices)
 Bangalore: b.roshan@sesi.sharp-world.com
deepak@sesi.sharp-world.com
 Tel: 080 2235 2596
 Fax: 080 2235 2597
 Pune: d.prashant@sesi.sharp-world.com
 Tel: +91 20 6640 5547