

ADS Display Support List

ADS StrongARM and XScale Products

(listing by Resolution, Type and Size)

1200x240

Color Active TFT

6.5 Sharp LQ065T9DR52U 5V, -30 to +85C, requires external +/-10VDC

1024x768 XGA

Color Active TFT

16.3 LG Philips LM150X08-A4 3.3V, CCFL backlight (2-tube), -10 to +65C, ADS does not currently support this is 4-channel LVDS display (Jan04)

15.1 LG Philips LM151X2 3.3V, obsolete as of 2002/2003

15.0 Chi Mei M150X2-T05 3.3V

15.0 Fujitsu FLC38XGC6V-06 5.0V

15.0 LG Philips LM150X08 3.3V, CCFL backlight (2-tube), 0 to +50C

15.0 LG Philips LM150X2 3.3V, CCFL backlight (2-tube), 0 to +50C

15.0 LG Philips LP150X1 3.3V, LVDS

15.0 Sharp LQ150X01W 5.0V

15.0 Sharp LQ150X1LGN2 3.3V, CCFL backlight (2-tube), 0 to +50C, LVDS with option to run in either 18 or 24bpp mode

14.1 Unipac UB141X01 3.3V, LVDS

10.4 NEC NL10276BC20-04 3.3V, CCFL backlight (2-tube), 0 to +60C, LVDS; can run in 18 or 24 bpp modes

8.4 Mitsubishi AA084X02 3.3V, CCFL backlight (2-tube), 0 to +50C

6.4 NEC NL10276BC12-02 3.3V, CCFL backlight (2-tube), 0 to +65C, LVDS, can run in 18 or 24 bpp modes

Color Multisync CRT

various Multisync XGA , n/a backlight, n/a

800x600 SVGA

Color Active TFT

12.1 Hitachi TX31D21VC1CBE 3.3V

12.1 Hitachi TX31D27VC1CAB 3.3V

12.1 LG Philips LB121S02 3.3V, CCFL backlight (2-tube), 0 to +50C

12.1 LG Philips LB121S1-A2 3.3V

12.1 NEC NL8060BC31-20 3.3 or 5V, CCFL backlight (2-tube), 0 to +55C, Supports Fixed and Data Enable modes. Data Vih>0.7Vcc

12.1 NEC NL8060BC31-27 3.3 or 5V, CCFL backlight (2-tube), -10 to +70C, Supports Fixed and Data Enable modes. Data Vih>0.7Vcc

12.1 Sharp LQ121S1DG11 3.3 or 5V, CCFL backlight (2-tube), 0 to +50C

12.1 Sharp LQ12S41 5.0V

10.4 LG Philips LC104S2-AL 3.3V, LVDS LCD

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10.4	LG Philips LP104S05	3.3V, LVDS
10.4	Optrex T-51410D104-FW-P-AD	3.3V, CCFL backlight (2-tube), 0 to +50C
10.4	Optrex T-51944D104J-FW-A-AA	3.3V, CCFL backlight (2-tube), -20 to +70C, LVDS
10.4	Sharp LQ104S1DG21	3.3 or 5V, CCFL backlight (2-tube), -10 to +65C, 3.3V data
10.4	Unipac UB104S01-2	3.3V, 0 to +50C, LVDS, with touch screen
8.4	AUO Optronics B084SN03	3.3V, CCFL backlight (1-tube), 0 to +50C, LVDS without touchscreen
8.4	AUO Optronics G084SN05	3.3V, CCFL backlight (2-tube), 0 to +50C
8.4	Toshiba LTM08C351	3.3V
8.4	Unipac UB084S01-2-DB	3.3V, LVDS, includes touch screen
Color Dual Passive		
12.1	Sharp LM12S49	
10.4	Kyocera KHB104SV2AA-G91	5.0V
10.0	Hitachi SX25S003-ZZA	3.3V, CCFL backlight (2-tube), +5 to +40C, integrated touch panel; Vcon=1.2-2.4V
8.5	Kyocera KHB084SV1AE-L89	3.3V, CCFL backlight (1-tube), 0 to +50C, transreflective
8.4	Kyocera KCB084SV1AA-A21	3.3V
Color PAL		
	PAL television	, n/a

800x480

Color Active TFT		
7.0	Hitachi TX18D16VM1CAA	3.3V, CCFL backlight (1-tube), 0 to +70C
n/a other		
	Sharp LQ070Y5DR04	, tempr. range TBD

640x480 VGA

Color Active TFT		
10.4	AZ Displays AGM6448F-NC	3.3V
10.4	LG Philips LG104V1DG11	5.0V
10.4	LG Philips LP104V2	3.3V
10.4	Mitsubishi AA104VB04	5.0V
10.4	NEC NL6448AC33-29	3.3V, CCFL backlight (2-tube), 0 to +50C
10.4	NEC NL6448BC33-46	3.3 or 5V, CCFL backlight (2-tube), 0 to +65C, will work at 5V; includes reverse scan pin
10.4	Planar LC640.480.33-AC	5.0V, CCFL backlight, -10 to +70C, high brightness for outdoor display; "industry standard TFT interface"; 34-pin connector
10.4	Sharp LQ104V1DG11	5.0V, discontinued March 2002, replaced by LQ104V1DG21
10.4	Sharp LQ104V1DG21	3.3 or 5V, CCFL backlight (2-tube), -10 to +65C, replaces LQ104V1DG11

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10.4	Sharp LQ104V1DG51	3.3 or 5V, CCFL backlight (2-tube), 0 to +50C, Vih>0.7Vcc. Digital noise can sometimes affect display running at 3.3V.
10.4	Sharp LQ104V7DS01	5.0V, End-of-lifed in late 2003
10.4	Sharp LQ10D321	
10.4	Sharp LQ10D367	
10.4	Sharp LQ10D368	5.0V, CCFL backlight (1-tube), 0 to +50C, Older, single CCFL tube version of LQ104V1DG51
10.4	Siemens G23916-B65-H035	3.3 or 5V, CCFL backlight (2-tube), -30 to +85C, integrated backlight inverter requires +12V/1.6A
9.5	Toshiba LTM09C020K	5.0V
8.4	Sharp LQ084V1DG21	3.3 or 5V, CCFL backlight (1-tube), 0 to +55C, Vih>0.7Vcc
8.4	Sharp LQ084V1DG22	3.3V
8.4	Sharp LQ084V1DV21	
8.4	Sharp LQ084V2DS01	
8.3	NEC NL6448BC33-50	3.3 or 5V, CCFL backlight (2-tube), 0 to +65C, Transflective; will work at 5V; includes reverse scan pin
6.5	NEC NL6448BC20-08	5.0V, CCFL backlight (2-tube), 0 to +60C
6.5	Optrex T-51750GD065J-FW-AB	3.3 or 5V, CCFL backlight (2-tube), 0 to +60C
6.4	LG Philips LB064V02	3.3V, CCFL backlight (1-tube), 0 to +50C
6.4	LG Philips LG064V1E	5.0V
6.4	LG Philips LP064V1	5.0V
6.4	Optrex T-51382D064-FW	
6.4	Optrex T-51382D064-FW-P-AB	3.3V, CCFL backlight (1-tube), 0 to +60C
6.4	Planar LC.640.480.21-065	3.3V
6.4	Prime View V16C6448AC	5V
6.4	Sharp LQ64D341	5.0V, CCFL backlight (2-tube), 0 to +55C
6.4	Sharp LQ64D343	5.0V, CCFL backlight (2-tube), 0 to +55C
4.0	LG Philips LC040V01	3.3V
4.0	Toshiba LTM04C380K	3.3V
	LG Philips LC640.40	
Color Dual Passive		
8.2	Hitachi SX21V001-Z4A	3.3V, CCFL backlight (1-tube), +5 to +40C, integrated four-wire touch panel; requires Vcon of 0.8 to 2.8V for contrast adjustment
7.2	Kyocera KCS072VG1MB	5.0V
Color Multisync CRT		
	various Multisync VGA	, n/a backlight, n/a
Color Passive		
10.4	Kyocera KCB104VG2BA	5.0V
10.4	Kyocera KCB104VG2BA-A03	5.0V

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10.4	Kyocera KHB104VG1BB-G20	5.0V
8.5	Kyocera KCS085VG1KA-A21	5.0V
7.7	Kyocera KCS077VG1	5.0V
7.7	Panasonic EDMGRB8KJF	3.3 or 5V, CCFL backlight (1-tube), 0 to +45C, integrated touch panel (EDMGRB8KAF has no touch); Vcon=0.8 to 2.8V
7.7	Sharp LM8V30/302/31	3.3V
7.7	Sharp LM8V311	3.3V, internal temp compensation
7.2	Kyocera KHS072VG1MB-G93	5.0V
7.1	Hitachi SX19V007-ZZA	3.3V, Vcon=0-3.3V
6.4	Sharp LM64C381	
6.3	Kyocera KCG062HV1AA-A21	3.3V, CCFL backlight (1-tube), 0 to +50C
Mono Passive		
7.5	Optrex DMF50961NF-SFW	3.3 or 5V, 0 to +50C, 0-50C; Vcc=2.5 to 5.5V; Vih>0.8Vcc; Vee=19-25V
6.4	Sharp LM64K11	5.0V
6.4	Sharp LM64K112	
6.4	Sharp LM64K83	5.0V
6.4	Sharp LM64K837	

640x350

Color Active TFT

5.8	Sharp LQ058T5DRQ1	3.3V
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640x240 HVGA

Color Active TFT

6.5	Hitachi TX16D11VC2CBA	3.3V
6.3	Kyocera THG062HV1AA-G00	3.3V, CCFL backlight (1-tube), -20 to +70C
6.2	Hitachi TX16D11VM2CAA	3.3V, CCFL backlight (1-tube), 0 to +50C, integrated touch panel

Color Passive

6.5	Hitachi SX16H005-AZA	3.3V, Requires Vcon ~ 2V
6.5	Kyocera KHB065HV1AC	3.3V
6.5	Sharp LM7M633	3.3V

480x320

Color NTSC

NTSC television, n/a backlight, n/a

Mono Passive

5.8	Sharp LM5H40TA	3.3V, for high-contrast apps; end-of-life as of mid 2001
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400x240

Color Active TFT

6.5	LG Philips LB065WQ3	3.3V, CCFL backlight (1-tube), -30 to +85C
6.5	Sharp LQ065T9DR51	5.0V, requires +10V and -10V power supply

320x240 QVGA

Color Active TFT

5.8	Kyocera TCG057QV1AA-G00	3.3V, CCFL backlight (1-tube)
5.8	Kyocera TCG057QV1AD-G00	3.3V, CCFL backlight (1-tube), -10 to +70C
5.7	Hitachi TX14D11VM1CBA	3.3V, CCFL backlight (1-tube), -10 to +65C
5.7	Sharp LQ057Q3DC02	3.3V, CCFL backlight (1-tube), -10 to +70C, RL=GND, UD=3.3V
5.6	Unipac (eVision) EVD56D01V2	5.0V
5.5	NEC NL3224BC35-20	3.3V, CCFL backlight (2-tube), -10 to +70C, will work at 5V
5.0	Sharp LQ050Q5DR01	3.3V, CCFL backlight, -30 to +85C
3.8	Sharp LQ038Q5DR01	3.3V, CCFL backlight (1-tube), -30 to +85C, high in-rush current; some ADS products may need to use ext. 3.3V or special ADS rework
3.5	Sharp LQ035Q2DD54	5.0V, good for indoor & outdoor use; requires adapter (eg. avatar-eng.com SHP-LQ03-2-063-A-1)
3.5	Sharp LQ035Q7DB02	, LED backlight, 0 to +50C, integrated touch panel; does not include control circuits (read: higher total cost)
3.5	Sharp LQ035Q7DH01	5.0V, LED backlight, -10 to +70C, 3.3V data; touch panel; requires external controller (e.g. avatar-eng.com) and +15/-10V supplies

Color Dual Passive

5.7	Sharp LM057QC1T01	5.0V
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Color Passive

7.9	Hantronix HDM3224-2	3.3V
7.6	Optrex DMF-50944NCU-FW-1	5.0V
6.0	Hantronix HDM3224-CL	5V, CCFL backlight (1-tube), 0 to +50C, Uses Vcon for contrast control
5.8	Kyocera KCS057QV1AD-G20	5.0V, CCFL backlight (1-tube), 0 to +50C, transmissive; integrated touch panel
5.8	Kyocera KHS057QV1AJ-L89	5.0V, CCFL backlight (1-tube), 0 to +50C
5.8	Kyocera KHS057QV1CJ-G00	5V, CCFL backlight (1-tube), 0 to +50C
5.7	Hantronix HDM3224ATS-C	5.0V, CCFL backlight (1-tube), 0 to +50C
5.7	Hitachi SX14Q001-ZZA	3.3V, CCFL backlight (1-tube), 0 to +60C, integrated touch panel; Vcon=0.8-2.8V
5.7	Kyocera KCS057QV1AJ-A26	5.0V
5.7	Kyocera KCS057QV1AJ-G60	5.0V
5.7	Kyocera KHS057QV1AA-G20	5.0V
5.7	Kyocera KHS057QV1AJ-G91	5.0V

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5.7	Optrex F-51167NCU-FW-AB	5.0V
5.7	Sharp LM057QCTT03	5V, CCFL backlight (1-tube), 0 to +50C, Integrated four-wire touch panel. Requires 5V data signals (0.8*Vcc)
5.7	Wintek WM-X32243-1CFWD	3.3V
4.0	Hantronix HDM3224TSC-S-L	3.3V
3.8	Kyocera KHS038AA1AA-G21	3.3V, requires five Vee voltage steps, from 0 to +30V
3.8	Optrex F-51373GNC-MLF	5.0V, Vee=25V, backlight requires 7V
3.8	Optrex F-51373GNC-MLW-AI	5.0V, Vee=25V, backlight requires 7V
3.8	Sharp LM038QC1R10	3.3V, needs external circuit to control Vee
Mono Passive		
7.9	Planar EL320.240.36-HB	5.0V
5.9	Optrex DMF-50840	5.0V, CCFL backlight (1-tube), 0 to +50C, shading of some colors is uneven; may req hardware change to contrast circuit
5.7	Data International DG-32240	5.0V, CCFL backlight (1-tube), -20 to +70C
5.7	Sharp LM32K071	
5.7	Sharp LM32P07	5.0V
5.6	Planar ST 320.240.36 ET	5.0V
4.7	Sharp LM32P10	5.0V
4.0	Densitron PM0149	3.3V
3.9	Hitachi SP10Q003-T	3.3V, LED backlight, 0 to +50C, transfective; integrated touch panel
3.2	Sharp LM32P073	5.0V
	Solomon LM6433FBL	, includes touchscreen; display may be obsolete [Apr 2004]

320x96

Color Active TFT

4.9	Sharp LQ049B5DG01	5.0V, Panel requires +10V and -10V
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Mono Passive

5.7	AZ Displays AGM3224D	5.0V, CCFL backlight (1-tube), -20 to +70C
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240x320

Color Active TFT

2.8	Samsung LTS280Q1-PE1	, LED backlight, tempr. range TBD
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160x192

Color Passive

3.7	Kyocera KHS037AA1AA-G21	3.3V
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X

n/a other

	Hantronix HDM3224ATS-C	, tempr. range TBD
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155 displays

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