

LCD Kit Selection Guide

LCD kits (ES-1000 series) provide cost effective display solutions that are seamlessly compatible with all Advantech SBC/AIMB boards. They also come with inverters, cables and the assurance of long-term industrial component support.



ES-1000 Series

Display Size	6.5"		8.4"		10.4"	
Model Name	ES-1106N-EVA-03E	ES-1106R-EVA-03E	ES-1108N-ESA-03E	ES-1108R-ESA-03E	ES-1110N-ESA-03E	ES-1110R-ESA-03E
Description	6.5" SVGA LED Backlit LCD Kit	6.5" VGA LED Backlit LCD Kit with 4-Wire T/S solution (USB)	8.4" SVGA LED Backlit LCD Kit	8.4" SVGA LED Backlit LCD Kit with 4-Wire T/S solution (USB)	10.4" SVGA LED Backlit LCD Kit	10.4" SVGA LED Backlit LCD Kit with 4-Wire T/S solution (USB)
Resolution (Pixels)	640 x 480	640 x 480	800 x 600	800 x 600	800 x 600	800 x 600
View Angle (L/R/U/D)	80°/80°/70°/70°	80°/80°/70°/70°	80°/80°/80°/60°	80°/80°/80°/60°	80°/80°/60°/80°	80°/80°/60°/80°
Brightness	700 (cd/m ²)	560 (cd/m ²) With Res. T/S solution	450 (cd/m ²)	360 (cd/m ²) With Res. T/S solution	400 (cd/m ²)	320 (cd/m ²) With Res. T/S solution
Contrast Ratio	600/1	600/1	600/1	600/1	700/1	700/1
Signal Interface	18/24 -bit LVDS	18/24 -bit LVDS	18/24 -bit LVDS	18/24 -bit LVDS	18/24 -bit LVDS	18/24 -bit LVDS
Supply Voltage	3.3 (V)	3.3 (V)	3.3 (V)	3.3 (V)	3.3 (V)	3.3 (V)
Backlight (hrs)	LED Backlight 50,000 hrs	LED Backlight 50,000 hrs	LED Backlight 50,000 hrs	LED Backlight 50,000 hrs	LED Backlight 50,000 hrs	LED Backlight 50,000 hrs
Operating Temperature	-30 ~ 85° C	-30 ~ 85° C	-30 ~ 85° C	-30 ~ 85° C	-30 ~ 85° C	-30 ~ 85° C
Power Consumption	3 (W)	3 (W)	4.2 (W)	4.2 (W)	5.2 (W)	5.2 (W)
Response Time (ms)	25 (msec)	25 (msec)	30 (msec)	30 (msec)	30 (msec)	30 (msec)
Standard LCD Cable Length	500 mm	500 mm	500 mm	500 mm	50 mm	500 mm
Weight	170 (g)	300 (g)	290 (g)	390 (g)	360 (g)	460 (g)
Outline Dimensions (W x H x D)	153 x 118 x 10.9	153 x 118 x 12.9	203 x 142.5 x 8	203 x 142.5 x 10.8	243 x 184 x 8	243 x 184 x 10.8

Ordering Information

LVDS Cable Category vs. CPU Board

LED LCD Kit Series	Matching Advantech CPU Card
ES-1106N-EVA-01E ; ES-1106R-EVA-01E ES-1108N-ESA-01E ; ES-1108R-ESA-01E ES-1110N-ESA-01E ; ES-1110R-ESA-01E ES-1112N-ESA-01E ; ES-1112R-ESA-01E ES-1115N-EXA-01E ; ES-1115R-EXA-01E	PCM-3362/PCM-4373/PCM-9375/PCM-9579/PCM-9377/PCM-9371/ PCM-9362/PCM-9372/PCM-9373/PCM-9562/PCM-9577/PCM-9343/PCA-6775
ES-1106N-EVA-03E ; ES-1106R-EVA-03E ES-1108N-ESA-03E ; ES-1108R-ESA-03E ES-1110N-ESA-03E ; ES-1110R-ESA-03E ES-1112N-ESA-03E ; ES-1112R-ESA-03E ES-1112N-EXA-03E ; ES-1112R-EXA-03E ES-1115N-EXA-03E ; ES-1115R-EXA-03E	PCM-3372/PCM-9584/PCM-3380/PCM-9590/PCM-3386/PCM-9382/PCM-4372/PCM-9591 PCM-4380/PCM-4386/PCM-4390/PCM-9587/PCM-9387/PCM-9386/PCM-9588/PCM-9586 PCM-9580/PCM-9381/PCM-9581/PCM-4381/PCM-9388/AIMB-210/AIMB-212/AIMB-240/ AIMB-221/AIMB-350/AIMB-562/AIMB-554/AIMB-556/AIMB-640/AIMB-641/AIMB-330/ AIMB-340/PCI-6881/PCI-6880/PCI-6886/PCI-6886/PCI-6882/PCE-3132/AIMB-562

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12.1"				15"	
ES-1112N-ESA-03E	ES-1112R-ESA-03E	ES-1112N-EXA-03E	ES-1112R-EXA-03E	ES-1115N-EXA-03E	ES-1115R-EXA-03E
12.1" SVGA LED Backlit LCD Kit	12.1" SVGA LED Backlit LCD Kit with 5-Wire T/S solution (USB)	12.1" XGA LED Backlit LCD Kit	12.1" XGA LED Backlit LCD Kit with 5-Wire T/S solution (USB)	15" XGA LED Backlit LCD Kit	15" XGA LED Backlit LCD Kit with 5-Wire T/S solution (USB)
800 x 600	800 x 600	1024 x 768	1024 x 768	1024 x 768	1024 x 768
80°/80°/65°/75°	80°/80°/65°/75°	80°/80°/65°/75°	80°/80°/65°/75°	80°/80°/80°/60°	80°/80°/80°/60°
450 (cd/m²)	360 (cd/m²) With Res. T/S solution	500 (cd/m²)	500 (cd/m²) With Res. T/S solution	350 (cd/m²)	280 (cd/m²) With Res. T/S solution
700/1	700/1	700/1	700/1	700/1	700/1
18/24 -bit LVDS	18/24 -bit LVDS	18/24 -bit LVDS	18/24 -bit LVDS	18/24 -bit LVDS	18/24 -bit LVDS
3.3 (V)	3.3 (V)	3.3 (V)	3.3 (V)	3.3 (V)	3.3 (V)
LED Backlight 50,000 hrs	LED Backlight 50,000 hrs	LED Backlight 50,000 hrs	LED Backlight 50,000 hrs	LED Backlight 50,000 hrs	LED Backlight 50,000 hrs
-30 ~ 85° C	-30 ~ 85° C	-30 ~ 80° C	-30 ~ 80° C	0~65° C	0~65° C
5.76 (W)	5.76 (W)	TBA	TBA	8.8 (W)	8.8 (W)
35 (msec)	35 (msec)	35 (msec)	35 (msec)	8 (msec)	8 (msec)
500 mm	500 mm	500 mm	500 mm	500 mm	500mm
580 (g)	700 (g)	495 (g)	595 (g)	1100 (g)	1300 (g)
279 x 209 x 9	279 x 209 x 11.8	279 x 209 x 9	279 x 209 x 11.8	326.5 x 253.5 x 12	326.5 x 253.5 x 14.8

Display Product Naming Rules

