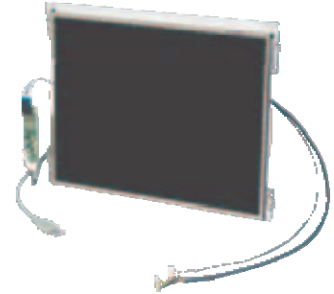


# Industrial Display Kit

Advantech Industrial Display Kit series provides various sizes of industrial grade LCDs which are proven to work with all Advantech embedded boards and systems. To better serve our industrial customers, we offer wide temperature, ruggedized, high brightness, industrial grade panels with longevity supports. Advantech also offer flexible and on-demand technical support and panel customization services as follows: Backlight Enhancement, Touch Panel Integration, Optical Bonding Services and LVDS Cable Customization Services.



## General Models

Display Size	5.7"	6.5"	7" W		8.4"		10.1"W
Model Name	IDK-057N-50VG1	IDK-065N-80VGA1	IDK-070N-25WVO1	IDK-070N-37WSB1	IDK-084N-35SV1	IDK-084N-1KSVA1	DK-101N-20WSB1
Description	5.7" VGA LED LCD kit	6.5" VGA LED LCD kit	7" WVGA LED LCD kit	7" WSVGA LED LCD kit	8.4" SVGA LED LCD kit	8.4" SVGA LED LCD kit High-brightness model	10.1" WSVGA LED LCD kit
Resolution	640X480	640X480	800X480	1024X600	800X600	800X600	1024X600
View Angle(H/V)	140/100	160/140	140/120	140/110	150/130	150/150	90/45
Brightness (cd/m <sup>2</sup> )	500	800	250	375	350	1000	200
Contrast Ratio	1:250	1:600	1:500	1:500	1:600	1:600	1:400
Signal Interface	18bit LVDS	18/24 bit LVDS	18bit LVDS	18bit LVDS	18/24 bit LVDS	18/24 bit LVDS	18bit LVDS
Supply Voltage	3.3 (V)	3.3 (V)	3.3 (V)	3.3 (V)	3.3 (V)	3.3 (V)	3.3 (V)
Backlight (hrs)	LED, 30K (hrs.)	LED, 50K (hrs.)	LED, 20K (hrs.)	LED, 30K (hrs.)	LED, 50K (hrs.)	LED, 50K (hrs.)	LED, 10K (hrs.)
Operating Temperature	-20 ~ +70° C	-30 ~ +80° C	-20 ~ +70° C	-20 ~ +70° C	-20 ~ +70° C	-30 ~ +85° C	0 ~ +50° C
Power Consumption	5.31 (W)	3.86 (W)	3.62 (W)	2.83 (W)	4 (W)	8.36 (W)	2.1 W
Response Time	50 ms	25 ms	25 ms	20 ms	8 ms	35 ms	25 ms
Outline Dimension (W x H x D)(mm)	127 x 98.43 x 7.5	153 x 118 x 10.9	165 x 104 x 5.5	165 x 102 x 4.9	203 x 145.5 x 8	203 x 142.5 x 8	235.5 x 143.5 x 5.2

Display Size	10.4"	12.1"	15"			17"	19"
Model Name	IDK-104N-40SV1	IDK-121N-50XGA1	IDK-150N-25XGA1	IDK-150N-35XGA1	IDK-150N-45XGC1	DK-170N-38SXA1	DK-190N-30SXA1
Description	10.4" SVGA LED LCD kit	12.1" XGA LED LCD kit	15" XGA LCD kit	15" XGA LED LCD kit	15" XGA LED LCD kit Sunlight Readable	17" SXGA LCD kit	19" SXGA LCD kit
Resolution	800X600	1024X768	1024X768	1024X768	1024X768	1280X1024	1280X1024
View Angle(H/V)	130/110	160/160	170/160	160/140	160/160	170/160	178/178
Brightness (cd/m <sup>2</sup> )	400	500	250	350	450	380	300
Contrast Ratio	1:400	1:700	1:700	1:700	1:700	1:1000	1:1300
Signal Interface	18bit LVDS	18/24 bit LVDS	18/24 bit LVDS	18/24 bit LVDS	24 bit LVDS	Dual 24 bit LVDS	Dual 24 bit LVDS
Supply Voltage	3.3 (V)	3.3 (V)	3.3(V)	3.3 (V)	3.3 (V)	5 (V)	5 (V)
Backlight (hrs)	LED, 20K (hrs.)	LED, 50K (typ.)	CCFL, 30K(min.)	LED, 50K (min.)	CCFL, 50K (min.)	CCFL, 50K (typ.)	CCFL, 50K (typ.)
Operating Temperature	-20 ~ +70° C	-30 ~ +80° C	0 ~ +65° C	0 ~ +65° C	-30 ~ +80° C	0 ~ +50° C	0 ~ +50° C
Power Consumption	3.16 (W)	9.15 (W)	12.82(W)	8.8 (W)	12.28 (W)	25.2 (W)	28 (W)
Response Time	25ms	35 ms	8ms	8 ms	25 ms	5 ms	8 ms
Outline Dimension (W x H x D)(mm)	236 x 176.9 x 5.6	279 x 209 x 9	326.5 x 253.5 x 12	326.5 x 253.5 x 12	326.5 x 253.5 x 13.85	358.5 x 296.5 x 15.8	396 x 324 x 17.5

## Touch Models

Display Size	5.7"	7" W		8.4"	10.1"W	10.4"
Model Name	IDK-057R-40VGI1	IDK-070R-32WVA1	IDK-070R-32WSB1	IDK-084R-28SV11	IDK-101R-17WSB1	IDK-104R-32SV11
Description	5.7" VGA 4-wire Res. T/S LED LCD kit	7" WVGA 4-wire Res. T/S LED LCD kit	7" WSVGA 5-wire Res. T/S LED LCD kit	8.4" SVGA 4-wire Res. T/S LED LCD kit	10.1" WSVGA 5-wire Res. T/SLED LCD kit	10.4" SVGA 4-wire Res. T/S LED LCD kit
Resolution	640X480	800X480	1024X600	800X600	1024X600	800X600
View Angle(H/V)	140/100	160/160	140/110	150/130	90/45	130/110
Brightness (cd/m2)	400	320	320	280	170	320
Contrast Ratio	1:250	1:500	1:500	1:600	1:400	1:400
Signal Interface	18bit LVDS	18/24 bit LVDS	18bit LVDS	18/24 bit LVDS	18bit LVDS	18bit LVDS
Supply Voltage	3.3 (V)	3.3 (V)	3.3 (V)	3.3 (V)	3.3 (V)	3.3 (V)
Backlight (hrs)	LED, 30K (hrs.)	LED, 50K (hrs.)	LED, 30K (hrs.)	LED, 50K (hrs.)	LED, 10K (hrs.)	LED, 20K (hrs.)
Operating Temperature	-20 ~ +70° C	-30 ~ +85° C	-20 ~ +70° C	-20 ~ +70° C	0 ~ +50° C	-20 ~ +70° C
Power Consumption	5.31 (W)	4.2 (W)	2.82 (W)	4 (W)	2.1 (W)	3.16 (W)
Response Time	50 ms	30 ms	20 ms	8 ms	25 ms	25 ms
Outline Dimension (W x H x D)(mm)	127 x 98.43 x 9.1	170 x 110 x 9.3	165 x 104 x 7.5	203 x 145.5 x 10.6	235.5 x 143.5 x 7.8	236 x 176.9 x 7

Display Size	10.4"	12.1"	15"		17"	19"
Model Name	IDK-104R-33SVA1	IDK-121R-42XGA1	IDK-150R-21XGA1	IDK-150R-30XGA1	IDK-170R-32SXA1	IDK-190R-25SXA1
Description	10.4" SVGA 4-wire Res. T/S LED LCD kit	12.1" XGA 5-wire Res. T/S LED LCD kit	15" XGA 5-wire Res. T/S LCD kit	15" XGA 5-wire Res. T/S LED LCD kit"	17" SXGA 5-wire Res. T/S LCD kit	19" SXGA 5-wire Res. T/S LCD kit
Resolution	800X600	1024X768	1024X768	1024X768	1280X1024	1280X1024
View Angle(H/V)	160/140	160/160	170/160	160/140	170/160	178/178
Brightness (cd/m2)	330	420	210	300	320	250
Contrast Ratio	1:700	1:700	1:700	1:700	1:1000	1:1300
Signal Interface	18/24 bit LVDS	18/24 bit LVDS	18/24 bit LVDS	18/24 bit LVDS	Dual 24 bit LVDS	Dual 24 bit LVDS
Supply Voltage	3.3 (V)	3.3 (V)	3.3 (V)	3.3 (V)	5 (V)	5 (V)
Backlight (hrs)	LED, 50K (hrs.)	LED, 50K (typ.)	CCFL, 30K (min.)	LED, 50K (min.)	CCFL, 50K (typ.)	CCFL, 50K (typ.)
Operating Temperature	-30 ~ +85° C	-30 ~ +80° C	0 ~ +65° C	0 ~ +65° C	0 ~ +50° C	0 ~ +50° C
Power Consumption	4.8 (W)	9.15 (W)	12.82 (W)	8.8 (W)	25.2 (W)	28 (W)
Response Time	30 ms	35 ms	8 ms	8 ms	5 ms	8 ms
Outline Dimension (W x H x D)(mm)	243 x 184 x 8	279 x 209 x 11.6	326.5 x 253.5 x 14.4	326.5 x 253.5 x 14.4	358.5 x 296.5 x 18.2	396 x 324 x 19.9

# Industrial Display Kit

## Ordering Information

### Non-Touch Model

Ordering P/N	Description
IDK-057N-50VG1	5.7" VGA LED B/L 500nit PANEL KIT
IDK-065N-80VGA1	6.5" VGA LED B/L 800nit PANEL KIT
IDK-070N-25WV01	7" WVGA LED B/L 250nit PANEL KIT
IDK-070N-37WSB1	7" WSVGA LED B/L 375nit PANEL KIT
IDK-084N-35SV1	8.4" SVGA LED B/L 350nit PANEL KIT
IDK-084N-1KSVA1	8.4" SVGA LED B/L 1000nit PANEL KIT
IDK-101N-20WSB1	10.1" WSVGA LED B/L 200nit PANEL KIT
IDK-104N-40SV1	10.4" SVGA LED B/L 400nit PANEL KIT
IDK-121N-50XGA1	12.1" XGA LED B/L 500nit PANEL KIT
IDK-150N-25XGA1	15" XGA LCD 250nit PANEL KIT
IDK-150N-35XGA1	15" XGA LED B/L 350nit PANEL KIT
IDK-150N-45XGC1	15" XGA LCD 450nit PANEL KIT, Sunlight Readable
IDK-170N-38SXA1	17" SXGA LCD 380nit PANEL KIT
IDK-190N-30SXA1	19" SXGA LCD 300nit PANEL KIT, Viewing Angle Free

### Touch Model

Ordering P/N	Description
IDK-057R-40VG1	5.7"VGA LED B/L 400nit 4W RES. T/S KIT
IDK-070R-32WVA1	7" WVGA LED B/L 320nit 4W RES. T/S KIT
IDK-070R-32WSB1	7" WVGA LED B/L 320nit 5W RES. T/S KIT
IDK-084R-28SV1	8.4" SVGA LED B/L 280nit 4W RES. T/S KIT
IDK-101R-17WSB1	10.1" WSVGA LED B/L 170nit 5W RES. T/S KIT
IDK-104R-32SV1	10.4" SVGA LED B/L 320nit 4W RES. T/S KIT
IDK-104R-33SVA1	10.4" SAVG LED LCD 330nit 4W RES. T/S KIT
IDK-121R-42XGA1	12.1" XGA LED B/L 420nit 5W RES. T/S KIT
IDK-150R-21XGA1	15" XGA LCD 210nit 5W RES. T/S KIT
IDK-150R-30XGA1	15" XGA LED B/L 300nit 5W RES. T/S KIT
IDK-170R-32SXA1	17" SXGA LCD 320nit 5W RES. T/S KIT

## IDK Prodcut Naming Rule

