

PI-DK150

Premio 15" Industrial Display Kit

Premio PI-DK series are a family of wide operating temperature industrial grade LCD display kits with sizes ranging from 7" to 24" and come with or without touch screen integrated. It also comes with the service options of high brightness and optical bonding for harsh / outdoor environment applications.

FEATURES

- 15" LCD with 1024 x 768 XGA resolution
- Wide operating temperature support
- 400 cd/m2 brightness with LED backlight
- Touch option: non-touch, 5-wire Resistive Touch or 10 points Projected Capacitive multi-touch options
- LVDS interface
- LED driver board built in
- Touch screen/touch controller included
- Optional A/D kit, LVDS/backlight cables, key pad, power supply
- Optional optical bonding service

SPECIFICATIONS

LCD

Screen Size	15"
Resolution	1024 x 768 XGA
Display Active area	304.1 mm x 228.1 mm
Colors	262k / 16.2M
Backlight Unit	LED
Brightness	400 cd/m2
Contrast Ratio	2500:1
Response Time	21 ms
Viewing Angle	176/176
Signal Interface	LVDS
Power Consumption	8.04W
Dimension	326.5 mm x 253.5 mm x 9.1 mm
Weight	970 g (typ.)

CONTROLLER PINOUT

5-Wire Resistive Touch Pinout

Pin 1	UR
Pin 2	LR
Pin 3	SG
Pin 4	UL
Pin 5	LL



Touch

Touch options	non-touch 5-wire Resistive Touch Projected Capacitive Multi-touch (PCAP)
Surface Hardness	≥ 3H (non-touch/resistive touch) ≥ 6H (PCAP touch)
Transparency	≥ 80%

Environment

Operating Environment	Non-touch:-30 °C ~ 70 °C PCAP/Resistive touch:-20 °C ~ 70 °C Humidity 20% RH ~ 80% RH (Non Condensing)
Storage Environment	Non-touch:-40 °C ~ 70 °C PCAP/Resistive touch:-20 °C ~ 70 °C Humidity 10% RH ~ 90% RH (Non Condensing)

Warranty

Warranty	2 year standard warranty
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Projected Capacitive Touch Pinout

J1	Pin 1	GND
	Pin 2-79	RX77-RX0
	Pin 80	GND
J2	Pin 1	GND
	Pin 2-3	NA
	Pin 4-49	TX45-TX0
	Pin 50	GND
J3 (USB)	Pin 1	VDD
	Pin 2	USB D-
	Pin 3	USB D+
	Pin 4-5	GND



PI-DK150R40XG01

FRONT VIEW

326.5
322.0
307.4 VIEWING AREA
303.5 AA
205±6
127
152
123
227.5 AA
201.3 VIEWING AREA
245.5
38.8
176.0
5.5

M3 HOLES
MAX. SCREW LENGTH
3.0mm
(4X)

(10)

2.2

SIDE VIEW

BACK VIEW

326.5
178
134
60
224.0
14.8
5.5

PIN1
PIN1
PIN 1 (Pitch 2.54mm)

CN1: LVDS CONNECTOR
TYPE: Cvilux CID52001HR0-NH

CN2: LED Driver CONNECTOR
TYPE: Cvilux C1420SM2HRP-NH

FRONT VIEW

327.5
309.5 AA
307.4 VIEWING AREA
256.0
233.5 AA
231.3 VIEWING AREA
111
46
156
72.3
60.8

SIDE VIEW

(12)
2.3
M3 HOLES
MAX. SCREW LENGTH
3.0mm
(4X)
38.8
176.0
5.5

BACK VIEW

326.5
178
134
0.5
60
PIN1
PIN1
CN1: LVDS CONNECTOR
TYPE: CviLux CDS2SD1HRO-NH
CN2: LED Driver CONNECTOR
TYPE: CviLux C1420SM2HFP-NH
224.0
14.8
5.5

MODEL NO.	DESCRIPTION
PI-DK150N40XG01	15" 1024x768, 400nits, -30~70C, Non-Touch Insudtrial Display Kit
PI-DK150R40XG01	15" 1024x768, 400nits, -20~70C, 5-wire Resistive Touch Display Kit
PI-DK150P40XG01	15" 1024x768, 400nits, -20~70C, Projected Capacitive Touch Display Kit

- 1 x 15" LCD Display Kit
- 1 x Touch Controller
- 1 x USB Cable (touch interface)

MODEL NO.	DESCRIPTION
PSPKIT005	A/D Kit for PI-DK150. A/D board with -20 °C ~ 70 °C wide operating temp, VGA + DVI + HDMI Interface , no audio. OSD, LVDS/BL cables included.
PSPPOW003	12V, 60W Power Supply

