



IPPC-0683-RKC4-NP00-1001

6.8" LCD, 700 nits LED backlight, 480 x 1280 ultra-wide aspect ratio 6:16

The IPPC-0683-RKC4 is a 6.8 inch color TFT-LCD display with special aspect ratio 6:16 and wide resolution 480x1280. It is Litemax's Spanixel series product which designed for brightness 700 nits with power efficiency LED backlight.

Key Features

- Ultra-Wide Screen (6 : 16)
- High Resolution 480x1280
- Brightness 700 nits
- LED Backlight
- PCT(Multi-Touch)
- Wide viewing angle
- Support Touchscreen
- Low Power Consumption
- Power input by Type-C or POE



Specifications

Model Name	IPPC-0683-RKC4-NP00-1001
Description	6.8" LCD, 700 nits LED backlight, 480 x 1280
Screen Size	6.8"
Display Area (mm)	60.19(H) x 160.51(V)
Brightness (Typical)	700 cd/m2
Resolution	480x1280
Aspect Ratio	6 : 16
Contrast Ratio (Typical)	900 : 1
Pixel Pitch (mm)	0.1255(H) x 0.1255(V)
Pixel Per Inch (PPI)	199
Viewing Angle	160°(H),160°(V)
Color Saturation (NTSC)	84%
Display Colors	16.7M
Panel Interface	MIPI
Touch Interface	USB
Input Power	Type-C (DC 5V) or POE
CPU	ROCKCHIP Quad-Core Cortex-A55
RAM 、 Storage	LPDDR4 4GB/32GB eMMC
I/O Interface	1LAN/2USB(USB2.0+USB3.0)/1HDMI/1Type-C
Dimensions(mm)	70.70 x 207.30
Operating Temperature	-5°C~60°C

Specifications are subject to change without notice.

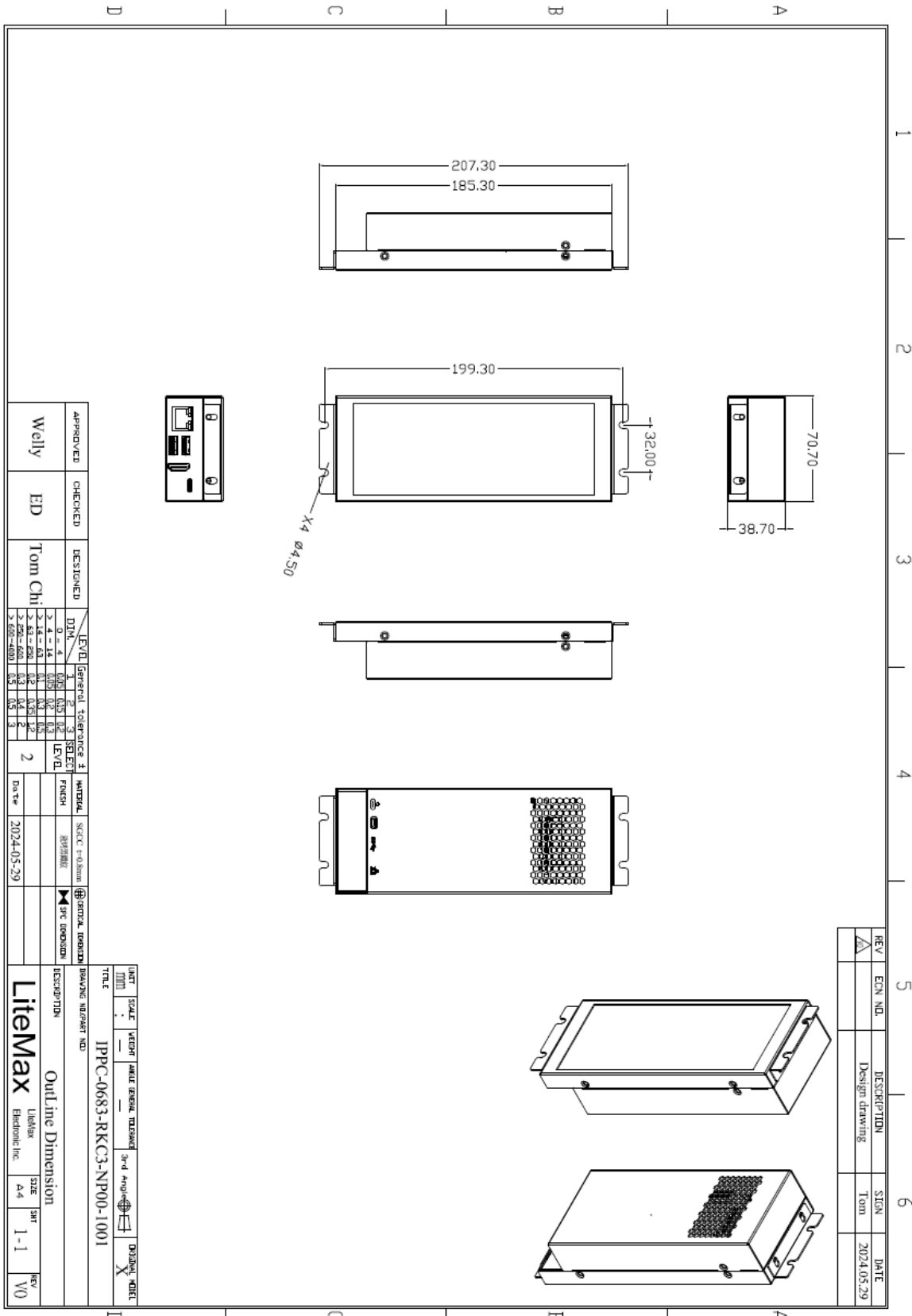
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Mechanical Drawing

Outline Dimensions

Unit: mm



APPROVED	CHECKED	DESIGNED	DRAWN	DATE
Welly	ED	Tom Chi		2024-05-29

LEVEL	GENERAL	TOLERANCE	3
DIM.	FIN.	FEAT.	3
> 4 - 14	0.10	0.10	0.5
> 14 - 43	0.15	0.15	0.5
> 43 - 250	0.2	0.2	0.5
> 250 - 400	0.3	0.3	0.5
> 400 - 600	0.4	0.4	0.5
> 600 - 800	0.5	0.5	0.5
> 800 - 1000	0.6	0.6	0.5

TITLE	SCALE	VECT	UNIT	GEN	DESIGN	3rd	ANGLE	ORIENT	ORIENT
IPPC-0683-RK3-NP00-1001									X

DESCRIPTION	OUTLINE DIMENSION
Litemax	Litemax
Litemax Inc.	Litemax Inc.
A4	A4
1-1	1-1
W0	W0

REV	ECN NO.	DESCRIPTION	STN	DATE
1		Design drawing	Tom	2024.05.29

A4 297x210mm



Ordering Information

Part Number	Description
IPPC-0683-RKC4-NP00-1001	6.8",700nits,480*1280,T2070,MIPI,PCAP T1.5mm,LID on LCM, RK3566 Quad-Core Cortex-A55, 4GB LPDDR4, 32GB eMMC, 1LAN/2USB(USB2+USB3.0)/1HDMI/1Type-C, Debian10, DC5V

Optional Accessories

Part Number	Description