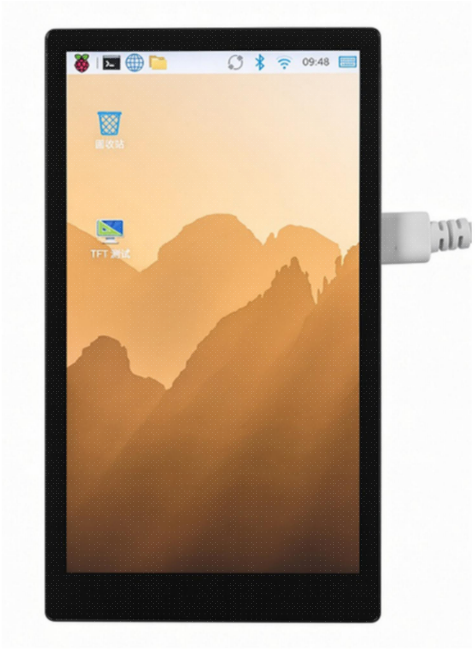
深圳市爱普拓思科技有限公司
SHENZHEN APTUS INTERNATIONAL CO.,Ltd

Product model:A050RC01







Display Specifications

Details	Descriptions
LCD size (Diagonal)	4.96" Capacitive Touch Screen
Resolution	480RGB(H)×854(V)
Active area size	61.78(H)×109.91(V) mm
Display Colors	16.7M（8-bit）
Luminance	400 cd/m²
Response time	30 ms
Weight	134 g
Pixel Arrangement	RGB-stripe
Viewing Direction	All O'clock

External Interface

Details	Descriptions
CN1	22-Pin FPC/FFC Interface for Raspberry Pi 5
CN2	PH2.0-7P--Backlight & TP Interface for Raspberry Pi 5 GPIO

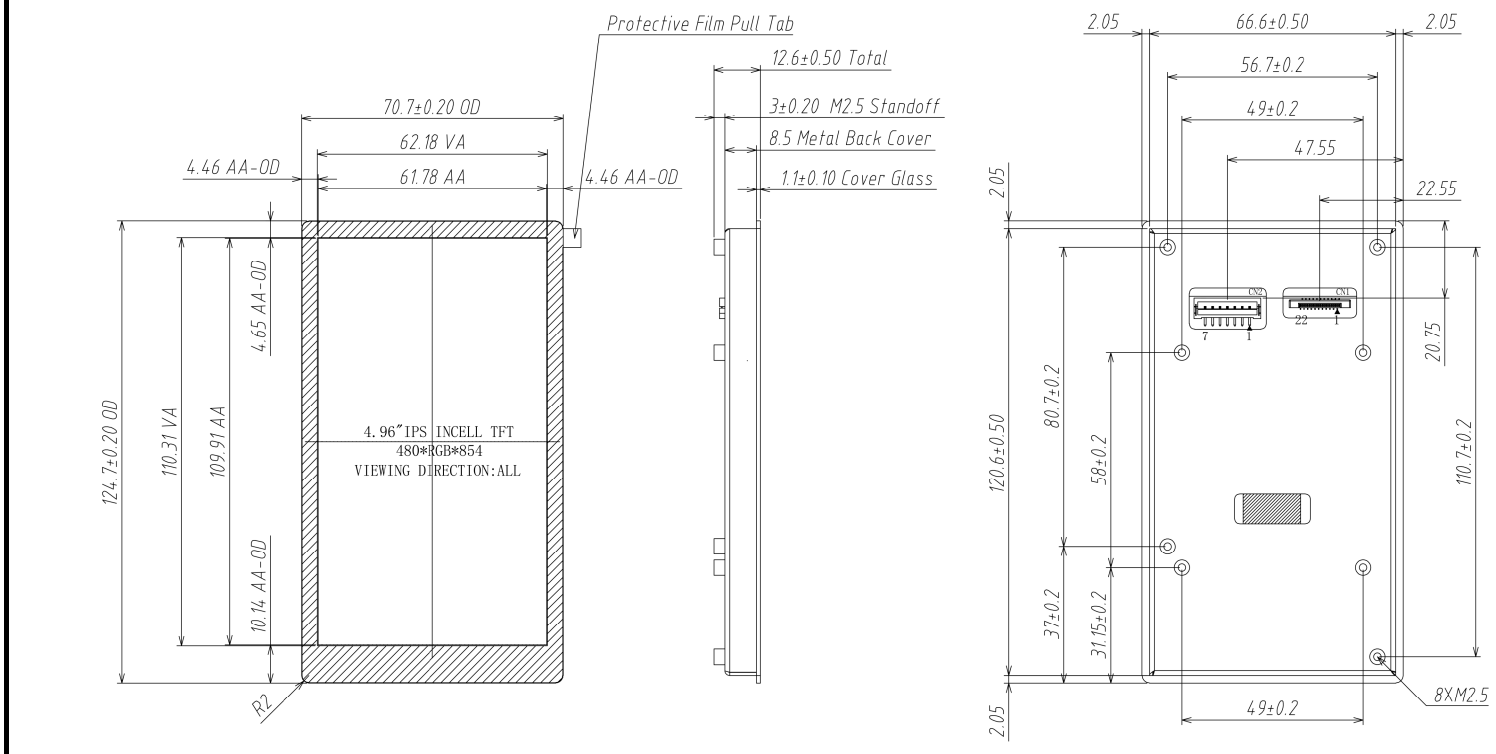
Electrical & Environmental

Details	Descriptions
Overall Power Consumption	≤5W
Operating Temperature	-20~+70℃
Storage Temperature	-30~+80℃
Relative Humidity	≤90%

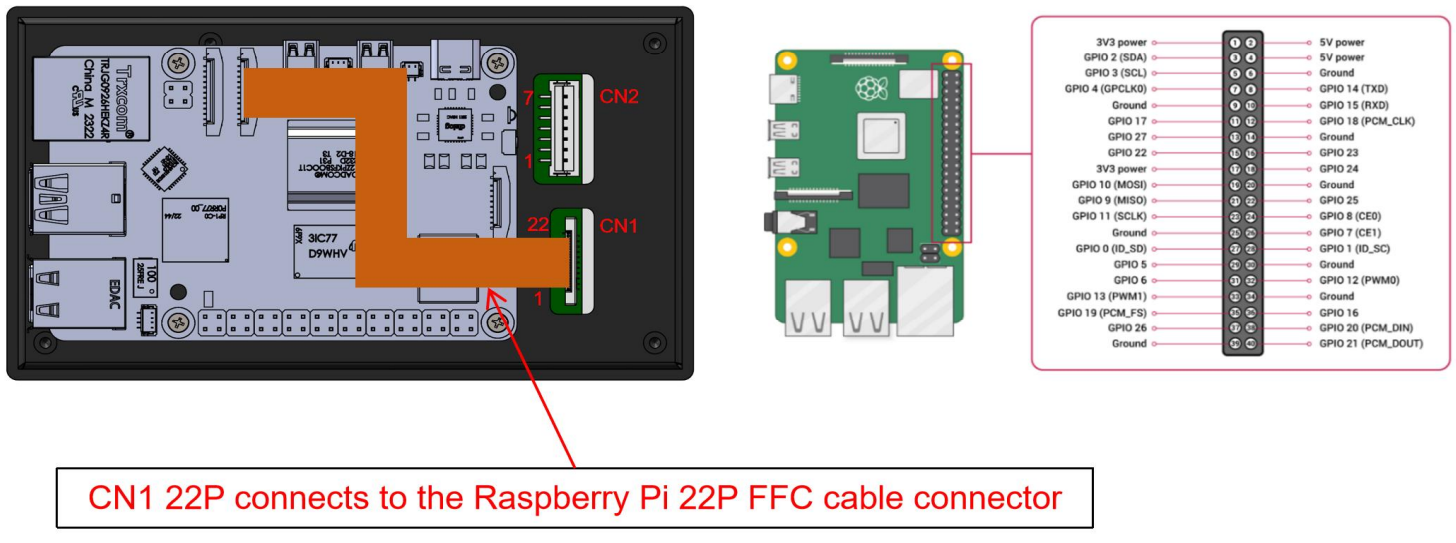
Physical Specifications

Details	Descriptions
Overall Dimensions	70.7(L)×124.7(W)×12.6(H) mm
Housing Material	Metal Housing
Appearance Color	Matte Black

Product Outline Drawing



CN2		NOTE	Raspberry PI IO	
PIN	SYMBOL		PIN	SYMBOL
1	5V	Power Supply	2/4	5V
2	GND	Ground	-	GND
3	ENABLE	3.3V high level active	1	3.3V
4	PWM	3.3V (full brightness) or Pi PWM GPIO	1/32/33	PWM GPIO
5	RSTA	Reset, inverted (flag1 already set in the overlay)	31	GPIO6
6	EINTA	Touch interrupt/TE input	22	GPIO25
7	TPRAS	Touch reset, active low (must be connected for in-cell)	15	GPIO22



CN1 22P connects to the Raspberry Pi 22P FFC cable connector