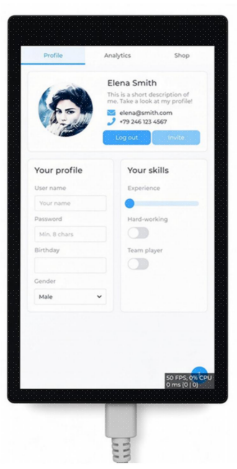
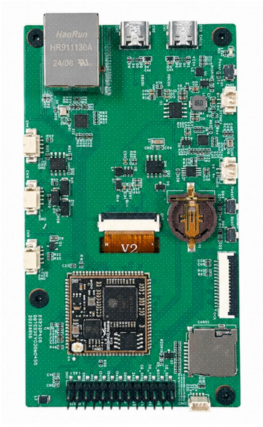
深圳市爱普拓思科技有限公司
SHENZHEN APTUS INTERNATIONAL CO.,Ltd

Product model:A050EC01





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	169 g
Pixel Arrangement	RGB-stripe
Viewing Direction	All O'clock

Core Hardware Specifications

Details	Descriptions
Main Control	ESP32-P4 (RISC-V Dual-Core)
CPU Frequency	360 MHz (HP) / 40 MHz (LP)
RAM	32 MB PSRAM
ROM	16 MB Flash
Wireless	Wi-Fi & Bluetooth
Storage Expansion	TF Card Slot
Interfaces	USB Type-C, UART, GPIO, Ethernet
Development	Arduino, ESP-IDF, Micropython

Electrical & Environmental

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

Physical Specifications

Details	Descriptions
Overall Dimensions	70.7(L)×124.7(W)×27.39(H) mm
Housing Material	Metal Housing
Appearance Color	Matte Black

Product Outline Drawing

