reTerminal

Next-gen Human-Machine-Interface with you

无限潜力的新一代人机交互终端



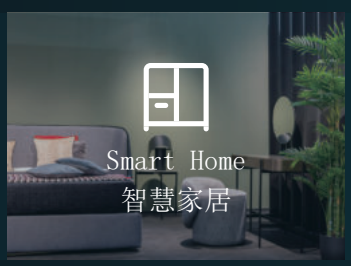
Features / 特征:

- Powered by Raspberry Pi Compute Module 4 with 4GB RAM + 32GB eMMC flash
- 5-inch IPS capacitive multi-touch screen with 1280 x 720 resolution
- Rich interfaces and modular design for unlimited expansion possibilities

- 4GB RAM+32GB eMMC 树莓派计算模块 Compute Module 4 驱动
- 5 英寸 IPS 多点触控电容屏，分辨率达到 1280x720
- 丰富的接口以及模块化的设计为拓展带来无限可能性

Applications/应用领域









Specifications/规格

Specifications/规格		Details/参数
Platform/平台	Processor/处理器	Broadcom BCM2711 Quad-Core Cortex-A72 (ARM v8)
	Frequency/频率	64-bit SoC @ 1.5GHz
Memory/记忆	Capacity/容量	4GB
	Technology/技术	LPDDR4 with on-die ECC
eMMC	Capacity/容量	32GB
Wireless/无线	Wi-Fi	2.4GHz and 5.0GHz IEEE 802.11b/g/n/ac
	Bluetooth/蓝牙	Bluetooth 5.0, BLE
Display/屏幕	LCD/液晶显示器	5-inch 1280x720 LCD
	Touch Panel/触控面板	Capacitive touch panel (supports 5-point multi-touch)
Video/视频	HDMI接口	1 x Micro HDMI output (up to 4Kp60 supported)
	CSI	1 x 2-lane MIPI CSI camera interface
	Multimedia/多媒体	H.265 (4Kp60 decode); H.264 (1080p60 decode, 1080p30 encode); OpenGL ES 3.0 graphics
Built-In Modules 内置模块	Real-Time Clock/实时时钟	NXP Semiconductors PCF8563T
		Low backup current; typical 0.25μA at VDD = 3.0 V and Temperature = 25 ℃
	Accelerometer/加速度计	STMicroelectronics LIS3DHTR
		16-bit, ±2g/±4g/±8g/±16g dynamically selectable full scale
	Encryption/加密	Microchip ATECC608A
		Secure Hardware-Based Key Storage, Asymmetric Sign, Verify, Key Agreement
	Light Sensor/光线传感器	Levelek LTR-303ALS-01
		Digital light sensor
	Internal IO Expansion/内部IO扩展	Microchip MCP23008-E
	Buzzer/蜂鸣器	⩾85dB @10cm 2700±300Hz
External I/O 外部输入/输出	GPIOs	Up to 5 × UART; Up to 5 × I2C; Up to 5 × SPI; 1 × SDIO interface; 1 × DPI (Parallel RGB Display); 1 × PCM; 1× PWM channels; Up to 3× GPCLK outputs
	Vertical Expansion Interface 纵向扩展接口	1 × PCIe 1-lane Host, Gen 2 (5Gbps);
		1 × USB 2.0 port; 26 x GPIOs; PoE
Power/电源	Recommended	5V@4A DC
Temperature 温度	Operating Temperature 工作温度	0 – 70°C (For the LCD Screen: 0 – 60°C)
Mechanical/硬件	Dimensions/尺寸	140 x 95 x 21 mm

For business inquiries, please contact us.
业务咨询请联系我们!

9F, Building G3, TCL International E City, Zhongshanyuan Road, Nanshan District, Shenzhen, PRC
深圳市南山区中山园路TCL国际E城G3栋9楼

seeedstudio.com
iot@seeed.cc
+86 755 3653 4305