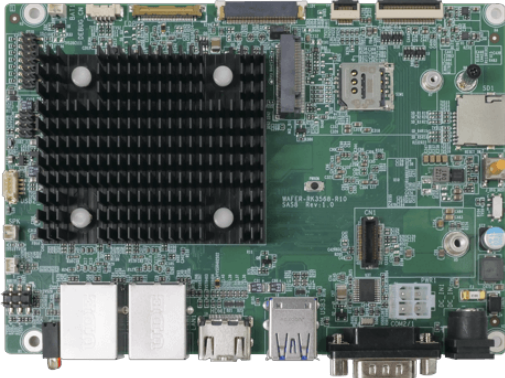


WAFER-RK3568

3.5寸SBC 搭配RK3568处理器，支持 2/4GB LPDDR4/X，16/32GB 闪存，支持三显: HDMI™, MIPI 及 eDP，USB 3.0 x 2，内置 USB 2.0 x 3，符合RoHS



Features

- » 3.5寸SBC搭配RK3568处理器，支持 2/4GB LPDDR4/4X，16/32GB闪存
- » 2 x 1千兆 RJ45，2 x (RS232 + RS485)，2 x USB 3.0 Type A，3 x USB 2.0 HOST，HDMI™ 2.0，MIPI 显示接口、Edp、MIPI 相机接口
- » M.2 扩展接口，SD 卡槽
- » 直流12V
- » Debian 10 / Android 12
- » RoHS

Specifications

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|-----------------|--|
| 系统 | |
| CPU | Rockchip RK3568 (Quad-code Cortex-A55 up to 2.0Ghz) |
| 支持的操作系统 | Android 12.0，Linux Debian 10 (kernel 4.19) |
| 物理特性 | |
| 尺寸 (LxWxH) (mm) | 146mm x102mm |
| 存储 | |
| 存储 | 1 x M.2(NGFF) |
| | 1 x SD/MicroSD card : 微型SD卡 |
| | eMMC : 16/32GB 闪存 |
| I/O 接口 | |
| 显示输出 | 1 x HDMI™ : 2.0 Type A，高达 4K |
| | 1 x eDP : 高达 2560 x 1650@60Hz |
| | 1 x MIPI DSI : 高达 1920 x 1080@60Hz display output for single MIPI mode and 2560x1440@60Hz for dual-MIPI mode |
| 网络 | LAN : 2 x 1GbE RJ45 By YT8521 |
| 音频 | 1 x Line out : 音频输出，排针 |
| | 1 x Mic (Wire to Board,WAFER 1 X2pin, DIP, 180°, P=1.25mm) |
| | 1 x Speaker : 2pin Socket (1x 1.3W) |
| I/O接口 | 外部RS-422/485 : 1 x DB9 Port，2 x (RS232+RS485) |
| | 2 x 外部 USB 3.2 Gen1x1 : USB 3.0 Type A (1x OTG,1x HOST) |
| | 3 x 内部 USB 2.0 : HOST (1 x 4 with FRAME,180° P=1.25mm, 2 x 4Pin pin header p= 2.0 mm) |
| | 1 x I²C (8pin, 90°, P=0.5mm) |
| | 1 x MIPI : MIPI CSI 4 Lanes (30pin 0.5mm FPC) |
| | GPIO : 14-bit (7 in/7 out, pin header) |
| 扩展 | 1 x M.2(NGFF) : B Key, Support 4G (3042) or 5G (3052) Module |
| | 1 x Micro/Nano SIM (Nano SIM slot) |
| Wireless | |
| Wi-Fi | B TO B 接口,支持IEI WIFI5或者WIFI6模块 |
| Bluetooth | B TO B 接口,支持 IEI BT V5.0 模块) |
| 电源 | |
| Input | 12V DC |
| 环境 | |

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|----------------|-----------------|
| 操作温度 | 0°C ~ 60°C, 有气流 |
| 存储温度 | -20°C ~ 70°C |
| Humidity | 10% ~ 90%, 无冷凝 |
| 认证 | |
| Safety & EMC | EMC Class A |
| Watchdog Timer | |
| Watchdog Timer | Yes |

Ordering Information

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| WAFER-RK3568-R10 | 3.5" SBC with RK3568;4GB LPDDR4/4X;32GB eMMC;2× 1GbE RJ45;2x(RS232+RS485);2× USB 3.0 Type A;3× USB 2.0 HOST;HDMI™ 2.0;MIPI DSI、Edp and MIPI CSI;M.2 Slot;SD Card Slot;DC 12V;Debian10;RoHS |
| WAFER-RK3568-A-R10 | 3.5" SBC with RK3568 , 4GB LPDDR4/4X, 32GB eMMC, 2× 1GbE RJ45 , 2x(RS232+RS485), 2× USB 3.0 Type A, 3× USB 2.0 HOST, HDMI™ 2.0, MIPI DSI、Edp and MIPI CSI, M.2 Slot, SD Card Slot, DC 12V, Android12, RoHS |
| WAFER-RK3568-2/16GB-R10 | 3.5" SBC With RK3568 ,2GB RAM,16GB eMMC,2× 1GbE RJ45 ,2xRS232,2xRS485,2× USB 3.0 Type A,3× USB 2.0 HOST,1 × HDMI™ 2.0,MIPI DSI、Edp、MIPI CSI,M.2 B Key、Micro SD and SIM Slot,DC 12V,Debian10、RoHS |

Packing List

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| 1 x WAFER-RK3568 主板 | |
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