

LP-150



Features

- Quad-core Cortex-A7 is integrates with separately Neon and FPU coprocessor, also shared 256KB L2 Cache
- Mali400 MP2 GPU is embedded to support smoothly high-resolution (1080p) display and mainstream game
- Support HDMI port, RJ-45 LAN port
- Support one USB 2.0 port
- Support one single-channel 18/24-bit LVDS connector
- Small form factor and low power design
- Fanless and ultra-low power consumption
- 8GB onboard eMMC Flash memory
- Support Micro SD card slot for expandable storage

System

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|------------------------|-------------------------------------|
| Processor | Rockchip RK3128 Quad-core Cortex-A7 |
| Speed | Cortex-A7@1.3 GHz |
| Memory | 512MB DDR3 |
| Real Time Clock | Integrated RTC onboard |
| GPU | Mali400 MP2 GPU is embedded |

Graphics

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|-----------|--|
| 3D | OpenGL ES1.1 and 2.0, OpenVG1.1 |
| 2D | Bit Blit with Strength Blit, Simple Blit |

Display

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| HDMI | Integrated HDMI 1.4 output up to 1080P |
| LCD Control | Maximum resolution is 1280x720 pixels |
| Display | Default 1024x600 LVDS LCD panel |
| Touch | Default Capacitive 1024x600 touch screen |

Software support

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| OS | Compatible with Android 4.4.4 |
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Mechanical & Environmental

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|-----------------------------|--|
| Power | DC Input 5V |
| Size & Thickness | 100 mm x 72mm (L x W) |
| Temperature | Operating within 0°C~70°C (32°F~158°F) Storage within -20°C~80°C (-4°F~176°F) |
| Relative Humidity | 10%~90%, non-condensing |

I/O

| | |
|----------------------|--|
| Flash Support | 1 x 8GB onboard eMMC 1 x Micro SD card slot |
| Audio | Rk3128 Built-in Stereo Audio CODEC |
| LAN | RTL8211E Ethernet Transceiver |
| Internal I/O | 1 x Pin header for RS232 x 2 1 x LVDS panel connector 1 x LVDS inverter connector 1 x RTC battery slot and Pin header 1 x Pin header for UART x 3 1 x Audio pin header for line-out and MIC-in 1 x Power button 1 x Recovery button 1 x system reset button, power LED 1 x Pin header for expand GPIO |
| External I/O | 1 x Micro SD card slot 1 x HDMI port 1 x USB Host 2.0 ports 1 x USB OTG 2.0 port 1 x RJ-45 LAN port 1 x 5V DC-in power 1 x WiFi SMA Antenna connector |