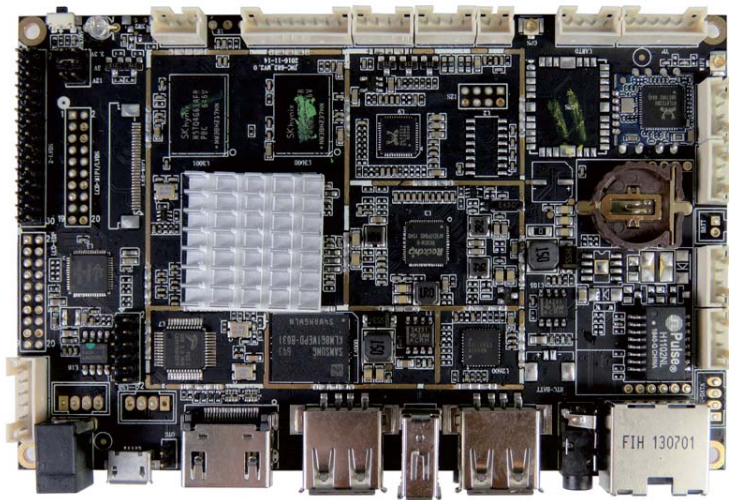


QDS-6100/6200

Mini PC Board

with ARM® Cortex®-A53 Based Processor, Rockchip RK3368



- Rockchip RK3368 64-bit Octa Core ARM® Cortex®-A53 @1.5GHz
- 1GB / 2GB DDR3 memory
- 8GB eMMC, 1x Micro SD Cage for storage
- 1x HDMI2.0 (4K support), 1x LVDS, 1x eDP for video output
- 1x MIPI for camera input
- 1x LAN, Wi-Fi, Bluetooth for network connection
- 6x USB2.0, 1x USB OTG, 1x 6-bit GPIO, 3x UART, 1x I2C for peripherals
- Android based media player applications



Product Overview

QDS-6100/6200 is a highly integrated ARM based mini PC board designed for TV / monitor / digital signage / IPC and surveillance industries. It includes main stream technology for data connection and various I/O for expansion and control. For data connection, the Ethernet and Wi-Fi / Bluetooth are the standard features and 3G / 4G WWAN module is optional. It is integrated with GPS /

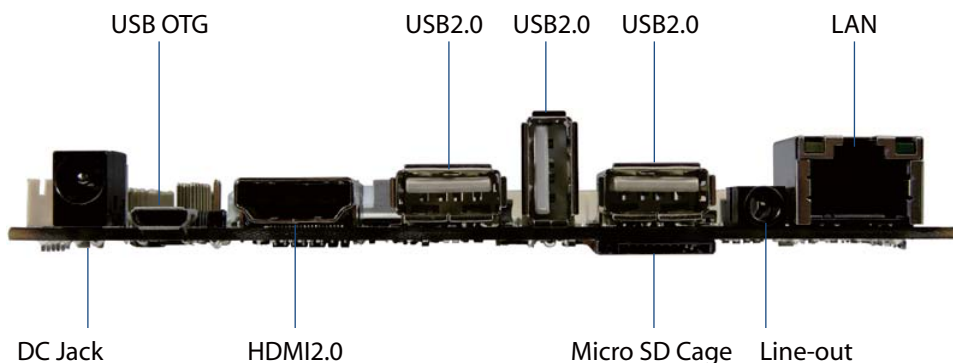
SD / IR / eDP / LVDS / MIPI / HDMI / microphone / speaker / USB / UART / I2C / GPIO, etc.

QDS-6100/6200 provides the benefit for lowering cost and reducing design effort perspective. It definitely is your best option in solution survey.

Technical Information

CPU Support	Rockchip RK3368 64-bit Octa Core ARM Cortex-A53 @1.5GHz	Serial Ports	3x UART (by header)
Memory	1GB DDR3 memory 2GB DDR3 memory	Other I/Os	1x 6-bit GPIO (by header) 1x I2C (by header, PCT & Resistive touch panel support)
Graphic Controller	PowerVR SGX6110 GPU up to 600MHz	Storage	8GB eMMC (default, up to 32GB or NAND Flash by request) 1x Micro SD Cage (on rear, support up to 64GB)
Video Interfaces	1x HDMI2.0 (on rear, 4096 x 2160 @ 60Hz, w/ CEC support) 1x MIPI (by header, 13M pixels, for camera input) 1x LVDS (by header, 1/2-ch, 6/8-bit, 2048 x 1536) 1x eDP (by header)	Power Supply	Connector: DC Jack (on rear) Input Voltage: DC 12V / 1.5A Power Adapter: AC to DC, 100V ~ 240V, 50 ~ 60 Hz
Display Rotation	Optional (Gyro based, 0° ~ 270°)	Firmware	Watchdog: Programmable WDT to generate system reset event Real Time Clock: SoC integrated RTC
Audio Interfaces	1x Line-out (on rear) 1x Speaker-out (by header) 1x Mic-in (by header)	System Control & Monitoring	1x Power LED 1x ADB Button 1x IR (by header)
Ethernet	1x 10/100 LAN (RJ-45 on rear)	Cooling	Passive
Wireless	Wi-Fi (IEEE 802.11 b/g/n) Bluetooth (V2.1+EDR/Bluetooth 3.0/3.0+HS/4.0) 3G / 4G (optional, by USB dongle) GPS (optional)	OS	Android 5.1
USB	6x USB2.0 (3x Type A on rear, 3x by header) - support IR / PCT / liquid shield / ultrasonic touch - support camera input 1x USB OTG (Micro-USB on rear)	Dimensions (L x W)	122 x 78 mm / 4.80" x 3.07"
		Environmental Characteristics	Operation Temp.: 0°C ~ 60°C / 32°F ~ 140°F Storage Temp.: -20°C ~ 65°C / -4°F ~ 149°F Humidity: 10% ~ 90%
		Certification	FCC Class B

Rear I/O Ports



Ordering Information

Article	Description
QDS-6100	Rockchip RK3368, 1GB DDR3 Memory , 1x HDMI2.0, 1x MIPI, 1x LVDS, 1x eDP, 1x LAN, 6x USB2.0, 1x USB OTG, 8GB eMMC, 1x Micro SD Cage
QDS-6200	Rockchip RK3368, 2GB DDR3 Memory , 1x HDMI2.0, 1x MIPI, 1x LVDS, 1x eDP, 1x LAN, 6x USB2.0, 1x USB OTG, 8GB eMMC, 1x Micro SD Cage