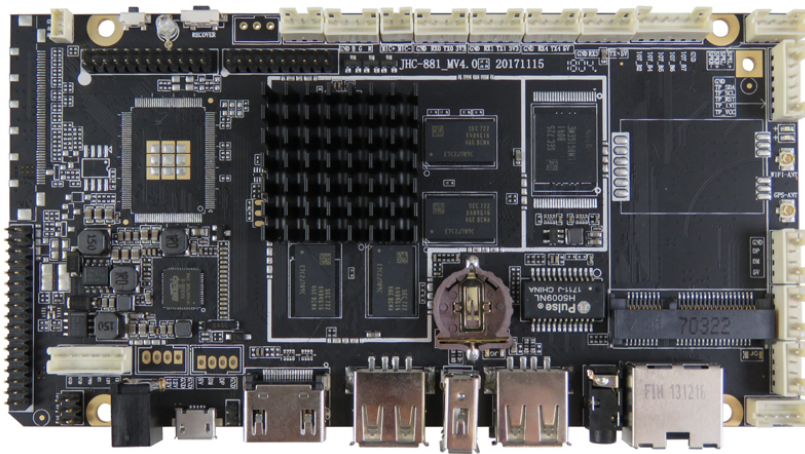


QDS-8200

Mini PC Board

with ARM® Cortex®-A17 Based Processor, Rockchip RK3288



- Rockchip RK3288 32-bit Quad Core ARM® Cortex®-A17 @1.8GHz
- 2GB DDR3 memory
- 8GB eMMC, 1x Micro SD Cage for storage
- 1x HDMI2.0 (4K support), 1x LVDS, 1x eDP, 1x V-by-One for video output
- 1x HDMI-In, 1x MIPI for video and camera input
- 1x GbE, Wi-Fi, Bluetooth for network connection
- 6x USB2.0, 1x USB OTG, 1x 5-bit GPIO, 4x UART, 1x I2C for peripherals
- Android based media player applications



Product Overview

QDS-8200 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 / V-by-One / microphone / speaker / USB / UART / I2C / GPIO, etc.

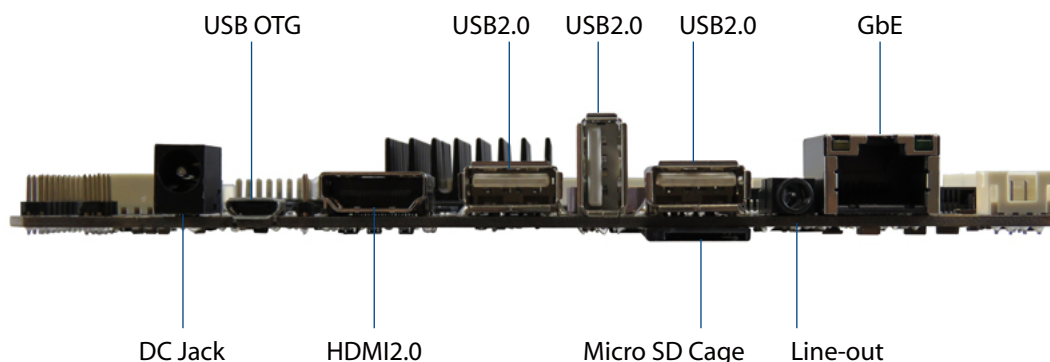
QDS-8200 provides the benefit for lowering cost and reducing design effort perspective. It definitely is your best option in solution survey.

Technical Information

CPU Support	Rockchip RK3288 32-bit Quad Core ARM Cortex-A17 @1.8GHz
Memory	2GB DDR3 memory
Graphic Controller	Mali-T764 GPU
Video Interfaces	1x HDMI2.0 (on rear, 4096 x 2160 @ 60Hz) 1x MIPI (by header, 13M pixels, for camera input) 1x LVDS (by header, 1/2-ch, 6/8/10-bit, 2048 x 1536) 1x eDP (by header) 1x V-by-One (by header, 4096 x 2160 @ 60Hz) 1x HDMI1.4 In (by header, 1080p60)
Multiple Display	Dual
Display Rotation	Optional (Gyro based, 0° ~ 270°)
Audio Interfaces	1x Line-out (on rear) 1x Speaker-out (by header) 1x Mic-in (by header)
Ethernet	1x GbE LAN (RJ-45 on rear)
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 & PCIe) GPS (optional)
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)

Serial Ports	4x UART (by header)
Other I/Os	1x 5-bit GPIO (by header) 1x I2C (by header, PCT & Resistive touch panel support)
Storage	8GB eMMC (default, up to 32GB or NAND Flash by request) 1x Micro SD Cage (on rear, support up to 64GB)
Power Supply	Connector: DC Jack (on rear) Input Voltage: DC 12V / 1.5A Power Adapter: AC to DC, 100V ~ 240V, 50 ~ 60 Hz
Firmware	Watchdog: Programmable WDT to generate system reset event Real Time Clock: SoC integrated RTC
System Control & Monitoring	1x Power LED 1x ADB Button 1x IR (by header)
Cooling	Passive
OS	Android 5.1
Dimensions (L x W)	150 x 78 mm / 5.91" 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-8200	Rockchip RK3288, 2GB DDR3 Memory, 1x HDMI2.0, 1x MIPI, 1x LVDS, 1x eDP, 1x V-by-One, 1x HDMI-In, 1x GbE, 6x USB2.0, 1x USB OTG, 8GB eMMC, 1x Micro SD Cage