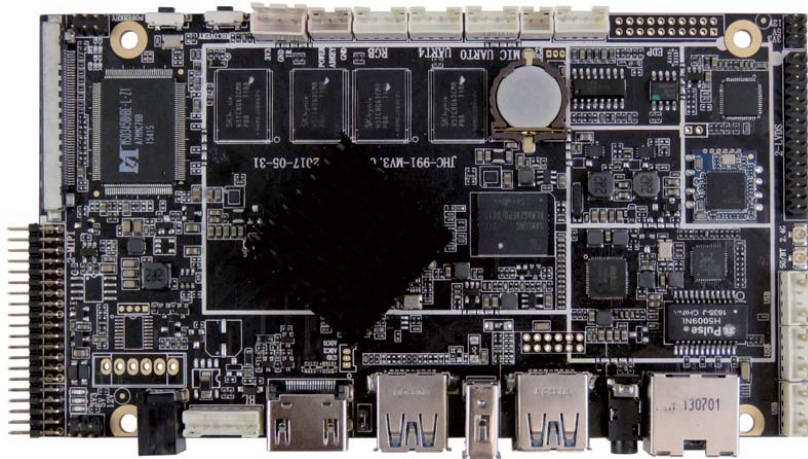


QDS-9400

Mini PC Board

with ARM® Cortex®-A72 + Cortex®-A53 Based Processor



- Rockchip RK3399 Quad Core ARM® Cortex®-A72 + Dual Core Cortex®-A53
- 2GB DDR3 memory
- 8GB eMMC, 1x Micro SD Cage for storage
- 1x HDMI2.0 (4K support), 1x LVDS for video output
- 1x eDP (optional), 1x V-by-One (optional) for alternative video output
- 1x HDMI-In (optional), 1x MIPI (optional) for video and camera input
- 1x GbE, Wi-Fi, Bluetooth for network connection
- 2x USB3.0, 3x USB2.0, 1x 3-bit GPIO, 2x UART for peripherals
- Android based media player applications



Product Overview

QDS-9400 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. It is

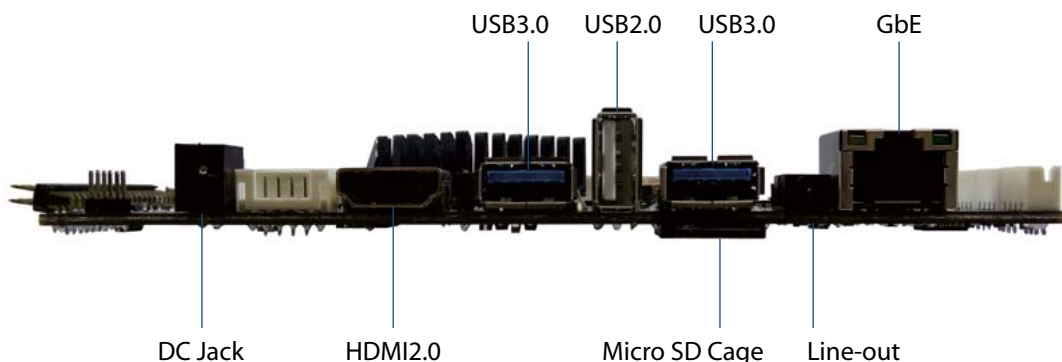
integrated with GPS / SD / IR / eDP / LVDS / MIPI / HDMI / V-by-One / microphone / speaker / USB / UART / GPIO, etc.

QDS-9400 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 RK3399 64-bit Dual Core ARM Cortex-A72 + Quad Core ARM Cortex-A53 up to 2.0GHz
Memory	2GB DDR3 memory (4GB by request)
Graphic Controller	Mali-T864 GPU
Video Interfaces	1x HDMI2.0 (on rear, 4096 x 2160 @ 60Hz, w/ CEC support) 1x MIPI (by header, 13M pixels, for camera input, optional) 1x LVDS (by header, 1/2-ch, 6/8-bit, 1920 x 1080) 1x eDP (by header, 3840 x 2160, optional) 1x V-by-One (by header, 4096 x 2160 @ 60Hz, optional) 1x HDMI1.4 In (by header, 1080p60, optional)
Multiple Display	Dual
Display Rotation	Optional (Gyro based, 0° ~ 270°)
Audio Interfaces	2x Line-out (1x 3.5mm Jack on rear, 1x by header) 2x 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) GPS (optional)
USB	2x USB3.0 (Type A on rear) 3x USB2.0 (1x Type A on rear, 2x by header) USB supports IR multi-touch
Serial Ports	2x UART (by header)
Other I/Os	1x 3-bit GPIO (by header)
Storage	8GB eMMC (default, up to 16GB 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 ADB Button 1x IR (by header)
Cooling	Passive
OS	Android 7.1
Dimensions (L x W)	146 x 80 mm / 5.75" x 3.15"
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-9400	Rockchip RK3399, 2GB DDR3 Memory, 1x HDMI2.0, 1x LVDS, 1x eDP (optional), 1x V-by-One (optional), 1x MIPI (optional), 1x HDMI-In (optional), 1x GbE, 2x USB3.0, 3x USB2.0, 8GB eMMC, 1x Micro SD Cage