WQ9001 Wi-Fi SoC Chip



Overview

WQ9001 is a high-end Wi-Fi 4 SoC chip that integrates the 2.4 GHz RF, PHY & MAC, RISC-V CPU, OTP, USB interface, and power management module. The chip is compatible with IEEE802.11 b/g/n.

Functions

- Supports 802.11a/b/g/n.
- Supports 1x1 2.4 GHz RF.
- Supports the maximum PHY rate of 72 Mbps.
- Integrates the PA, LNA, and TR switch.
- Integrates the high-performance RISC-V CPU.
- Supports the USB2.0 interface.

Applications







ΤV





Set-top box

PC



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Block Diagram