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





Webcam

T\

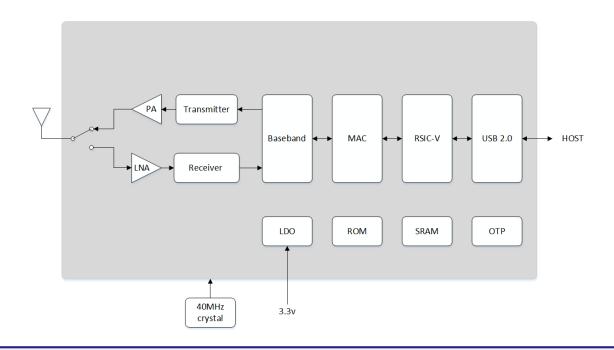




Set-top box

PC

Block Diagram



© 2023, WUQI Microelectronics Co., Ltd. All rights reserved. No part of this document may be reproduced in any form without the written permission of the copyright owner.

Disclaimer

The contents of this document are subject to revision without notice due to continued progress in methodology, design and manufacturing. WUQI Microelectronics Co., Ltd. shall have no liability for any error or damage of any kind resulting from the use of this document.