

QT2518B

RF Transceiver, 4x4, 5 GHz, WiFi 5

Product Overview

For complete documentation, see the data sheet.

The QT2518B is an 802.11ac/n 4x4 MIMO chipset (BBIC and RFIC) that is integrated into wireless home and enterprise networking equipment, as well as consumer electronics devices, for an unprecedented level of reliability and performance of up to 1.7 Gbps. It is the world's most fully integrated solution to combine a 4x4 MIMO 5 GHz radio transceiver, dynamic digital transmit (Tx) beamforming, and integrated mesh networking to deliver guaranteed high-speed bandwidth for total coverage of any size home or office, anywhere.

Features

- Industry's Highest Performance 802.11ac/n 5 GHz RF Transceiver
- Operating in 802.11ac/n 5 GHz Band
- Up to 1.7 Gbps PHY/Data Link Speed with Explicit Digital Transmit Beamforming
- 4Tx/4Rx Chains to Support 4x4 MIMO System
- Standards:- 802.11ac/n- 802.11i (WEP, WPA/ WPA2, RADIUS)- 802.11d- 802.11e (WMM, WMM-PS)- 802.11j- 802.11h- 802.11k- 802.11s

Benefits

- Best in class performance
- High-performance Wireless Access Point and Wireless Video Bridge Solution

Applications

- Access Point
- DBDC Gateway
- Client

End Products

- Set Top Boxes (STB)

Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Wi-Fi Standard	MIMO	Band Support (GHz)	Application	Chipset	Package Type
QT2518B		<div><div>Pb</div><div>H</div></div>	Active	WiFi 5	4x4	5	Client	QD840 / QV840 / QV840C / QV860 / QV940	FCBGA-121