Product Overview

QT6810: RF Transceiver, WiFi 6, 4x4, 2.4 GHz

For complete documentation, see the data sheet.

The QT6810 is a 2.4 GHz only RF chip that supports 802.11ax/ac/n/g/b 4x4 MIMO for best in class performance. Coupled with the QCS-AX2 family of baseband processors, QT6810 offers the world's fastest and highest performance 2.4 GHz WiFi solution. QT6810 is the best choice for service providers deploying their next generation WiFi access points and gateways. This allows enhanced performance and reliability for the delivery of mission-critical services over WiFi.

Features

- Integrated LNAs
- 4Tx/4Rx Chains to Support True 4x4 MIMO System
- Supports 20/40 MHz BW in 2.4 GHz system
- Integrated Baluns for the Tx Output, Single-ended Rx Input

Benefits

- Minimum host CPU load and memory utilization

Applications

- Gateway
- Access Point
- Repeater

End Products

- WiFi Router
- Mesh Repeater
- WiFi Extender

Part Electrical Specifications

Product	Pricing ($/Unit)	Compliance	Status	Wi-Fi Standard	MIMO	Band Support (GHz)	Application	Chipset	Package Type
QT6810		non AEC-Q and PPAP	Active	WiFi 6	4x4	2.4	Access Point, Gateway, Router	QCS-AX2-A12 / QCS-AX2-T12 / QCS-AX2-T8	

For more information please contact your local sales support at www.onsemi.com.

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