

Product Overview

QT7810X: RF Transceiver, 8x8, 5 GHz, WiFi 6

For complete documentation, see the data sheet.

The QT7810X is a 5 GHz RF Transceiver chip that supports 802.11ax/ac/n/a 8x8 MIMO for best in class performance. Coupled with baseband processors from QSR10GU-AX family, QT7810X offers the world's fastest and highest performance WiFi solution. QT7810X 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

- 8Tx/8Rx Chains to Support True 8x8 MIMO System
- 5 GHz Operation Mode
- Supports 20/40/80/160 MHz Bandwidth in 5 GHz System
- IEEE 802.11ax/ac/n/a Compliant

Benefits

- Best in class performance
- RF chip that supports WiFi 6

Applications

- DBDC 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
QT7810X		Pb-free Halide free non AEC-Q and PPAP	Active	WiFi 6	8x8	5	DBDC Gateway, AP, Repeater	QCS-AX-D12	FCBGA-225

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

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