

Qualcomm

Qualcomm[®] FastConnect[™] 6200

2x2 Wi-Fi 6-ready integrated Wi-Fi subsystem with Bluetooth 5, WPA3 Security, and digital FM.

The Qualcomm FastConnect 6200 Mobile Connectivity Subsystem is a highly integrated 2x2 mobile connectivity chipset that is Wi-Fi 6 ready.

Key Wi-Fi 6 features such as 8x8 sounding increase capacity for up to 2x improvement over 4x4 sounding devices. Other features such as Target Wakeup Time increase battery life by lowering power consumption up to 67%.

These advanced Wi-Fi features combine with support for Bluetooth 5, Qualcomm TrueWireless[™] advanced audio features, and advanced WPA3 security to deliver a powerful mix of advanced capabilities for smartphones and computing devices.

Highlights

Maximize performance

Provides throughput increase up to 2x thanks to advanced implementation of a feature called 8-stream sounding, allowing Wi-Fi 6 mobile and computing devices to take full advantage of the growing base of 8x8 MU-MIMO Wi-Fi features..



Better battery life

Our unique implementation of Target Wake Time (TWT) achieves effectively scheduled data transmission with up to 67% power savings.



Advanced security

Supports optional and mandatory elements of WPA-3 Wi-Fi Security protocol to support robust security across a wide range of environments and applications.





FastConnect™ 6200

Features

- Wi-Fi 6-ready 8x8 sounding
- Wi-Fi 6-ready Target Wake Time (TWT)
- MU-MIMO
- Dual band simultaneous (DBS)
- WPA3 security protocol
- High-performance Bluetooth 5

Specifications

Process	
Process Technology:	40 nm
Wi-Fi	
Wi-Fi Standards:	802.11ax-ready, 802.11ac wave 2, 802.11a/b/g, 802.11n
Wi-Fi Spectral Bands:	2.4 GHz, 5 GHz
Channel Utilization:	20/40/80 MHz
MIMO Configuration:	2x2 (2-stream)
Wi-Fi Features:	8x8 Sounding, MU-MIMO, Dual-band simultaneous (DBS), Target Wake-up Time (TWT)
Bluetooth	
Bluetooth Version:	Bluetooth 5.0
General Audio	
Audio Technology:	Qualcomm TrueWireless™ Technology
Qualcomm® aptX™ audio playback support:	Qualcomm® aptX™ Adaptive
Security Support	
Wi-Fi Security:	WPA3-Enterprise, WPA3-Enhanced Open, WPA3 Easy Connect, WPA3-Personal
Part Number:	WCN3998

For additional Qualcomm product information go to:
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