

## Product Overview

### QT10GA: Baseband Chip DBDC, WiFi 5, 2x2 in 2.4 GHz and 8x8 in 5 GHz

For complete documentation, see the data sheet.

The QT10GA is a dual-band dual-concurrent baseband chip that supports the 802.11ac/n/a/g/b standards. QT10GA will be the first chip in the industry to support the 8x8 with 8 streams and MU-MIMO.

#### Features

- Dual-Band Dual-Concurrent Modem- ViSion Cloud Managed- Up to 8x8 5 GHz + 2x2 2.4 GHz
- 5 GHz Modem- Industry's Highest Performance 802.11ac/n/a WiFi 5 DBDC Baseband Chip- Up to 8 Streams in 8x8 MIMO Configuration
- 2.4 GHz Modem- Support for 802.11n/g/b- Up to 2 Streams in 2x2 MIMO Configuration
- Embedded Processors- DSP Processors- Support for Minimum Burden on the Host CPU
- Hardware Datapath- Layer 2/3 Switching Supported, Including Full HW VLAN Support- Layer 3 Stream Identification

#### Benefits

- Industry's Highest Performance in 802.11ac/n/a standard

#### Applications

- Multimedia Home Gateways
- Data Residential Gateways
- Access Point
- Mesh Nodes

#### End Products

- WiFi Router
- Access Point
- WiFi Extender
- Mesh Repeater

### Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Wi-Fi Standard	MIMO	Band Support (GHz)	Application	Chipset	Package Type
QT10GA-B1		Pb-free Halide free non AEC-Q and PPAP	Active	WiFi 5	2x2 / 8x8	2.4 / 5	DBDC Gateway, AP, Repeater	QSR10GA	FCBGA-546

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Created on: 12/29/2020