

New Product Announcement

Now at Mouser: Qorvo's QPF4800 Dual-Band Front End Module for Wi-Fi 6 Designs

May 28, 2020 – [Mouser Electronics](http://www.mouser.com), Inc., the authorized global distributor with the newest semiconductors and electronic components, is now stocking the new [QPF4800](#) Wi-Fi 6 front-end module (FEM) from [Qorvo](#)®. The dual-band FEM is designed for Wi-Fi 6 (802.11ax) applications, combining the high performance levels required to transfer HD and 4K video with the efficiency necessary for [Internet of Things](#) (IoT) applications. The highly integrated FEM is ideal for a range of Wi-Fi 6 applications, including wireless routers, customer premises equipment, access points, set-top boxes, and residential gateways.

The [Qorvo QPF4800](#) FEM, available from Mouser Electronics, features 2.4 GHz and 5.0 GHz power amplifiers; two single-pole, double-throw (SPDT) switches; a regulator; diplexer; and a low-noise amplifier with bypass. The FEM is designed to support increased users per access point, increased per-user traffic demand, higher-density deployments, increased cellular offloading, and additional power and performance in Wi-Fi 6 applications. The high-performance FEM provides a transmit gain of over 29 dB and a receive gain of 14 dB, with a 2.6 dB noise figure when operating over a 5.0 V supply. Additionally, the QPF4800 provides the required density, capacity, and thermal performance for 4×4 MIMO operation.

The 4 mm × 3 mm, 28-pin QPF4800 FEM is supported by the [QPF4800EVB-01](#) evaluation board, which optimizes the 2.4 GHz and 5.0 GHz power amplifiers and includes an antenna header, two transmit headers, and two receive headers.

To learn more about the QPF4800 dual-band Wi-Fi 6 front end module, visit <https://www.mouser.com/new/qorvo/qorvo-qpf4800-dualband-wifi6-fem/>.

As an authorized distributor, Mouser Electronics is focused on the rapid introduction of new products and technologies, giving customers an edge and helping speed time to market. Over 800 semiconductor and electronic component manufacturers count on Mouser to help them introduce their products into the global marketplace. Mouser's customers can expect 100% certified, genuine products that are fully traceable from each manufacturer.

With its broad product line and unsurpassed customer service, Mouser strives to empower innovation among design engineers and buyers by delivering advanced technologies. Mouser stocks the world's widest selection of the latest semiconductors and electronic components for the newest design projects. Mouser Electronics' website is continually updated and offers advanced search methods to help customers quickly locate inventory. Mouser.com also houses data sheets, supplier-specific reference designs, application notes, technical design information, and engineering tools.

About Mouser Electronics

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About Qorvo

Qorvo makes a better world possible by providing innovative Radio Frequency (RF) solutions at the center of connectivity. The company combines product and technology leadership, systems-level expertise and global manufacturing scale to quickly solve customers' most complex technical challenges. Qorvo serves diverse high-growth segments of large global markets, including advanced wireless devices, wired and wireless networks and defense radar and communications. The company also leverages unique competitive strengths to advance 5G networks, cloud computing, the Internet of Things, and other emerging applications that expand the global framework interconnecting people, places and things.

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– 30 –

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