

New Product Announcement

Qorvo QPF4516B Wi-Fi 6 Front End Now Available from Mouser Electronics

March 4, 2021 – [Mouser Electronics](#), Inc., the industry's leading New Product Introduction (NPI) distributor with the widest selection of semiconductors and electronic components, is now stocking the new [QPF4516B](#) Wi-Fi 6 front-end module (FEM) from [Qorvo](#)®. The FEM is designed for Wi-Fi 6 (802.11ax) applications, enabling significantly faster wireless download/upload speeds, increased data capacity, enhanced connectivity in crowded spaces and improved battery life for [Internet of Things](#) (IoT) client devices. The highly integrated FEM is ideal for a range of Wi-Fi 6 applications, including wireless routers, customer premises equipment, and access points.

The [Qorvo QPF4516B](#) FEM, available from Mouser Electronics, integrates a 5.0 GHz power amplifier; a single-pole, double-throw (SPDT) switch; 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 module's power amplifier is optimized for a 5 V supply voltage, conserving [power consumption](#) while maintaining the highest linear output power and leading-edge throughput. The high-performance FEM provides a transmit gain of 33 dB and a receive gain of 15 dB, with a 2 dB noise figure.

The 5 mm × 3 mm QPF4516B FEM includes a logarithmic power detector, which enables power control across the entire power spectrum for applications that use higher gain antennas or end users wanting to reduce device calibration time in production.

To learn more, visit <https://www.mouser.com/new/qorvo/qorvo-qpf4516b-wi-fi-front-end-module/>.

As a global authorized distributor, Mouser offers the world's widest selection of the newest semiconductors and electronic components — in stock and ready to ship. Mouser's customers can expect 100% certified, genuine products that are fully traceable from each of its manufacturer partners. To help speed customers' designs, Mouser's website hosts an extensive library of technical resources, including a [Technical Resource Center](#), along with product data sheets, supplier-specific reference designs, application notes, technical design information, engineering tools and other helpful information.

About Mouser Electronics

Mouser Electronics, a Berkshire Hathaway company, is an authorized semiconductor and electronic component distributor focused on New Product Introductions from its leading manufacturer partners. Serving the global electronic design engineer and buyer community, the global distributor's website, mouser.com, is available in multiple languages and currencies and features more than 5 million products from over 1,100 manufacturer brands. Mouser offers 27 support locations worldwide to provide best-in-class customer service in local language, currency and time zone. The distributor ships to over 630,000 customers in 223 countries/territories from its 1 million-square-foot, state-of-the-art distribution facilities in the Dallas, Texas, metro area. For more information, visit <https://www.mouser.com/>.

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