



Partners from RF to Light

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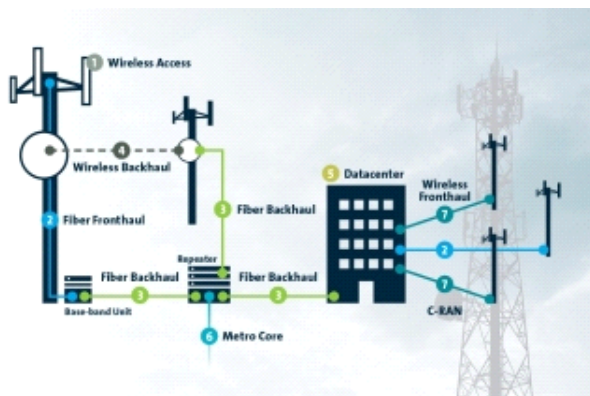
MACOM Showcases Industry's Broadest Portfolio of RF to Light Solutions for Wireless Network Infrastructure

High-performance, integrated components for access, backhaul and next-generation wireless technologies to be featured at Mobile World Congress 2016

LOWELL, Mass.--(BUSINESS WIRE)-- M/A-COM Technology Solutions Inc. ("MACOM"), a leading supplier of high-performance analog RF, microwave, millimeterwave and photonic semiconductor products, will debut a newly expanded portfolio of [wireless infrastructure](#) solutions - the largest of its kind in the industry - at Mobile World Congress (MWC) 2016. Optimized to meet the most demanding bandwidth, performance and efficiency needs, MACOM's semiconductor solutions for [wireless infrastructure](#) set new standards for integration, ease of use and cost effectiveness.

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This new **MAGb** series complements MACOM's expanded portfolio of wireless infrastructure solutions—the largest of its kind in the industry. Optimized to meet the most demanding bandwidth, performance, and efficiency needs, MACOM's semiconductor solutions for wireless infrastructure set new standards for integration, ease of use and cost effectiveness.



"The breadth of MACOM's leading-edge technology expertise and wireless application experience is unrivaled in the semiconductor industry, enabling mobile network operators around the globe to keep pace with burgeoning bandwidth demands while minimizing capital and operating expenses," said Preet Virk, Senior Vice President and General Manager, Carrier Networks, MACOM. "Addressing the needs of 4G, 4.5G and 5G wireless infrastructure, with the proven ability to support high frequency backhaul and access technologies, MACOM provides a one stop shop for high-performance RF, microwave, millimeterwave and optical components."

MACOM will debut its newly expanded portfolio of wireless infrastructure solutions - the largest of its kind in the industry - at Mobile World Congress (MWC) 2016. (Photo: Business Wire)

MACOM offers for wireless network infrastructure:

MACOM GaN - Slated to debut at MWC 2016, MACOM's **MAGb** series of GaN power transistors for macro basestations produce GaN performance at LD MOS like cost structures at scaled volume production levels. **MAGb** power transistors target all major cellular bands within the 1.8 to 3.8GHz frequency range, and support peak output power up to 700W.

Small Signal Solutions - MACOM's solutions for basestation receivers span from discrete high power switch, Low Noise Amplifier (LNA), digital step attenuators, variable voltage attenuators and control components to semi and fully-integrated front end modules that combine these devices with optional bias and matching capabilities. These highly integrated modules are ultra-compact and easy to use, and provide a wide range of customization and scalability options.

Microwave Power Amplifier (PA) Portfolio - The newest entries in MACOM's family of GaAs PAs for wireless backhaul applications enable full frequency band coverage from 7 to 86GHz, with narrow and wideband PA options to ensure breakthrough deployment flexibility.

E-Band Power Amplifiers and Integrated Modules - MACOM's industry leadership in millimeterwave (mmWave) wireless backhaul technologies is exemplified by its family of E-Band PAs and modules. Helping to accelerate the evolution to higher capacity backhaul, MACOM's surface mountable E-Band Tx and Rx modules simplify the design and manufacturing of low cost E-Band point-to-point radios.

Next-generation 5G and MIMO Technologies - MACOM is uniquely suited to aid the development of 5G and MIMO

Among the solutions and technologies that

demonstration systems, with decades of experience in mmWave and proven expertise from the circuit level to the device packaging level, and established leadership in phased array technologies. Providing the ability to integrate multiple components into ultra-compact front end modules, MACOM can help facilitate the design of large antennae arrays supporting advanced 5G beamforming capabilities.

Optical Transport Components - MACOM offers a comprehensive portfolio of optical fronthaul (CPRI) and optical backhaul (GPON) lasers and chipsets to complement its RF and microwave product portfolio for wireless infrastructure.

To preview these technologies and/or schedule a meeting with MACOM at MWC 2016, February 22 - 25th in Barcelona, contact your local Sales Representative. For more information about MACOM's solutions for wireless infrastructure, visit <http://www.macom.com/wirelessinfra>.

ABOUT MACOM:

M/A-COM Technology Solutions Inc. (www.macom.com) is a leading supplier of high-performance analog RF, microwave, millimeterwave and photonic semiconductor products that enable next-generation internet and modern battlefield applications. Recognized for its broad catalog portfolio of technologies and products, MACOM serves diverse markets, including high speed optical, satellite, radar, wired & wireless networks, automotive, industrial, medical and mobile devices. A pillar of the semiconductor industry, we thrive on more than 60 years of solving our customers' most complex problems, serving as a true partner for applications ranging from RF to Light.

Headquartered in Lowell, Massachusetts, MACOM is certified to the ISO9001 international quality standard and ISO14001 environmental management standard. MACOM has design centers and sales offices throughout North America, Europe, Asia and Australia.

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FOR SALES INFORMATION, PLEASE CONTACT:

North Americas -- Phone: 800.366.2266
Europe -- Phone: +353.21.244.6400
India -- Phone: +91.80.43537383
China - Phone: +86.21.2407.1588

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M/A-COM Technology Solutions Inc.

Ozzie Billimoria, 978-656-2896

ozzie.billimoria@macom.com

or

Rainier Communications

Colin Boroski, 508-475-0025 x142

cboroski@rainierco.com

or

embedded PR

Anja-Maria Hastenrath, +49 (0)89 64913634-11

ah@embedded-pr.de

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