



Partners from RF to Light

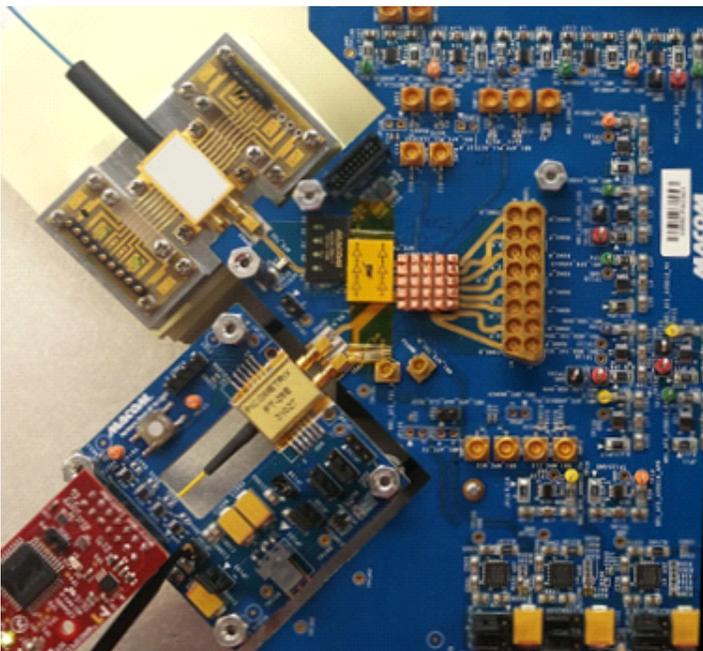
September 6, 2017

MACOM Announces Industry's First and Only End-to-End 100G Single Lambda Solution Scalable to 400G for Cloud Data Centers

- | *New solution delivers 100G-per-wavelength performance and promises unprecedented system density at lower cost per bit*
- | *Seamless component interoperability enables customers to accelerate time to market with 100G interconnects*
- | *IEEE endorsed single lambda PAM-4 technology reduces component count and cost; provides clear pathway to 400G*
- | *Initial Production Units encompass MACOM PRISM™ Mixed Signal PHY, L-PIC*
- | *Live demonstrations set for ECOC 2017*

LOWELL, Mass.--(BUSINESS WIRE)-- [MACOM Technology Solutions Inc.](http://www.businesswire.com/news/home/20170906005379/en/) ("MACOM") today announced the industry's first complete 100G Single Lambda Solution that enables the cost structure with the supply-chain flexibility for mainstream Cloud Data Center deployment. Designed to help accelerate the deployment of 100G optical interconnects at Cloud-scale cost structures, MACOM's 100G Single Lambda Solution enables customers to quickly and easily integrate high-performance MACOM components and get to market faster with the next generation of 100G optical modules.

This Smart News Release features multimedia. View the full release here:
<http://www.businesswire.com/news/home/20170906005379/en/>



MACOM's 100G Single Lambda Solution leverages the company's 53 Gbaud PAM-4 technology to deliver 100G throughput over a single wavelength. 100G Single Lambda is an approach that has been endorsed by the IEEE that can dramatically reduce the number and cost of optical components typically housed in an optical transceiver module. 100G single lambda is implemented in QSFP optical modules enabling plug and play compatibility with existing systems, thereby accelerating customers' field deployment of the technology, and bypassing the need for switches and routers to be developed before they can deploy their end solutions in volume. (Photo: Business Wire)

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"The breadth of MACOM's analog, optical and photonic technology portfolio, combined with our deep domain expertise and Cloud-scale manufacturing capability, position us as the clear industry leader in 100G-enabling components on the pathway to 200G, 400G, and 800G connectivity," said Preet Virk, Senior Vice President and General Manager, Networks, MACOM. "By aligning our Cloud Data Center strategy with the requirements of our end customers, we're enabling the highest performance, most cost-effective module solutions for next-generation Cloud Data Center infrastructure."

Leveraging an advanced 16 nanometer FinFET process node, the MACOM PRISM™ Mixed Signal PHY that underpins the 100G Single Lambda Solution is a generation ahead of competing PHYs developed at larger, planar geometries. Designed for 53Gbaud PAM-4 operation with integrated linear laser driver, forward error correction and a flexible DSP based equalizer, the MACOM PRISM™ enables ease of integration, delivering Cloud-scale economics and

cost structures.

MACOM's PRISM is complemented by MACOM's silicon photonics based optics consisting of a laser integrated with a PIC chip, that leverages the company's patented Etched Facet Technology (EFT). This highly integrated photonic solution drives additional cost optimization, enabling Cloud-scale manufacturing capabilities for our customers.

"Cloud Data Centers have moved quickly to deploy first generation 100G modules, but insatiable Data demands, unrelenting cost pressures and compressing upgrade cycles require a new generation of modules that enable Data Centers to eliminate capacity, throughput and cost constraints," said Kevin LeFebvre, Principal Analyst, Ovum. "MACOM's Single Lambda 100G Solution embodies the technology innovation and 100G-to-400G roadmap acceleration needed to keep pace with unabated Cloud Data Center growth."

MACOM's 100G Single Lambda Solution includes the following products. To request more information, please click here: <https://www.macom.com/support/contact-us/product-inquiry-form>

- | MACOM PRISM™ Mixed Signal PHY (MATP-10025)
- | 53GB PAM-4 Single Lambda 100GL-PIC (MAOP-L561PP)
- | 1x53GB PAM-4 TIA (MATA-005817)
- | 4x53GB PAM-4 TIA (MATA-03819 and MATA-03919)
- | 1x53GB PAM-4 PIN Photodiode BSP56A/QA
- | PAM-4 TOSA/ROSA for 53GB applications

MACOM will showcase its 100G Single Lambda Solution through video demonstration at CIOE (September 6 - 9, Shenzhen, China, MACOM booth #1A32) and ECOC (September 17 - 21, Gothenburg, Sweden, MACOM booth #117). For more information on MACOM's technology leadership for Cloud Data Centers, visit <https://www.macom.com/applications/optical-networking/data-center>

ABOUT MACOM:

MACOM is a new breed of analog semiconductor company — one that delivers a unique combination of high growth, diversification and high profitability. We are enabling a better-connected and safer world by delivering breakthrough semiconductor technologies for optical, wireless and satellite networks that satisfy society's insatiable demand for information.

Today, MACOM powers the infrastructure that millions of lives and livelihoods depend on every minute to communicate, transact business, travel, stay informed and be entertained. Our technology increases the speed and coverage of the mobile Internet and enables fiber optic networks to carry previously unimaginable volumes of traffic to businesses, homes and Data Centers.

Keeping us all safe, MACOM technology enables next-generation radars for air traffic control and weather forecasting, as well as mission success on the modern networked battlefield.

MACOM is the partner of choice to the world's leading communications infrastructure and aerospace and defense companies, helping solve their most complex challenges in areas including network capacity, signal coverage, energy efficiency, and field reliability, through its best-in-class team and broad portfolio of RF, microwave, millimeterwave and lightwave semiconductor products.

MACOM is a pillar of the semiconductor industry, thriving for more than 60 years of daring to change the world for the better through bold technological strokes that deliver true competitive advantage to customers and superior value to investors.

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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Special Note Regarding Forward-Looking Statements

This press release contains forward-looking statements including, among others, information concerning our and others' expectations for our MACOM's 100G single lambda solution, our market share and market position, market growth, and cost structure reduction. Forward-looking statements include all statements that are not historical facts and generally may be identified by terms such as "anticipates," "believes," "could," "estimates," "expects," "intends," "may," "plans," "potential," "predicts," "projects," "seeks," "should," "will," "would" or similar expressions and the negatives of those terms. These forward-looking statements are subject to risks, uncertainties, assumptions and changes in circumstances that may cause those events or our actual activities or results to differ materially from those expressed in any forward-looking statement. Readers are cautioned not to place undue reliance on these forward-looking statements. A number of important factors could cause actual results to differ materially from those indicated by the forward-looking statements, including those factors described in "Risk Factors" in MACOM's filings with the Securities and Exchange Commission ("SEC"), including its Quarterly Report on Form 10-Q for the fiscal quarter ended June 30, 2017, as filed with the SEC on August 2, 2017, its Quarterly Report on Form 10-Q for the fiscal quarter ended December 30, 2016, as filed with the SEC on February 1, 2017, its Quarterly Report on Form 10-Q for the fiscal quarter ended March 31, 2017, as filed with the SEC on April 26, 2017, and its Annual Report on Form 10-K for the fiscal year ended September 30, 2016, as filed on November 17, 2016. MACOM undertakes no obligation to publicly update or revise any forward-looking statement, whether as a result of new information, future events or otherwise.

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