



# MaxLinear Microwave Transceiver SoC Powers Aviat Networks' New WTM 4000 Microwave Radio Platform with Adaptive Dual Carrier (A2C) Operation

- *Aviat WTM 4000 delivers two independent channels in single frequency band supporting 5G transport; New feature is enabled by MaxLinear's MXL11xx series CMOS transceiver*

CARLSBAD, Calif.--(BUSINESS WIRE)-- MaxLinear, Inc. (NYSE:MXL), a leading provider of radio frequency (RF), analog and mixed-signal integrated circuits for the connected home, wired and wireless infrastructure, and industrial and multimarket applications, today announced that Aviat Networks (NASDAQ: AVNW) has selected the MxL11xx CMOS transceiver to enable channel aggregation functionality on its new line of WTM 4000 microwave radios.

Tier-1 carriers at Mobile World Congress will be among the first to get a demonstration of the new capability.

Aviat is a global provider of microwave networking products and services to mobile service providers, government agencies, energy and transportation companies and enterprises. The WTM 4000 is the industry's highest capacity microwave radio platform and features the highest capacity in single transceiver radio. The adaptive dual carrier (A2C) feature enables two RF channels over a single transceiver, doubling the capacity of a single-header radio.

The MaxLinear MxL11xx is an all-CMOS, single-chip broadband microwave transceiver product family that can support operation of all licensed and unlicensed bands from 5 GHz to 45 GHz, including all ETSI-defined channel spacing options from 5MHz to 224MHz. Single- or dual-channel operational modes are available.

The comprehensive frequency support of the MxL11xx greatly reduces the number of product configurations that Aviat must develop. The high level of integration also greatly minimizes external bill of material content, while supporting advanced features like digital pre-distortion, and channel aggregation and calibration. The channel aggregation feature is ideal for 5G backhaul applications, doubling the available capacity on a single backhaul link.

"For Aviat, the comprehensive transceiver functionality of the MxL11xx together with our software and systems expertise enables us to provide our customers with a highly-differentiated microwave solution," said Ola Gustafsson, Senior Vice President and Chief Product Officer, Aviat Networks. "A2C operation with a single transceiver offers an attractive

combination of maximal bandwidth throughput, low latency and smaller form factor."

"With the evolving requirements of 5G backhaul and fronthaul, particularly higher capacity requirements, operators are looking for new technology solutions. MaxLinear's MxL11xx offers highly advanced features with a high level of integration, unmatched performance over a wide frequency range of operation, and low power consumption, which meets strict transmission specifications," said Brendan Walsh, Vice President of Product Line Marketing, Infrastructure Group. "We're pleased to be partnering with Aviat Networks in its development of the WTM 4000 high capacity microwave radio platform."

## **Technical Details**

The MxL11xx features built-in Full Spectrum Capture™ (FSC™) technology and supports channel aggregation mode, enabling a second channel with any channel spacing to be processed within the same IC.

The MxL11xx incorporates a full receive, transmit, feedback path, and all synthesizer components on a single chip, and can support code rates up to 4096 QAM. The closed-loop digital pre-distortion provides power amplifier (PA) linearization for a wide variety of PAs.

The product is now available in volume production quantities from MaxLinear's worldwide sales team. For more information, email [sales@maxlinear.com](mailto:sales@maxlinear.com).

## **About Aviat Networks, Inc.**

Aviat Networks, Inc. (NASDAQ: AVNW) is a global provider of microwave networking products and services to mobile service providers, government agencies, energy and transportation companies, and enterprises. Aviat Networks, Inc. works to provide dependable communications to our customers. Better solutions from experts you can trust, Aviat enables the highest performing networks, simplest operations, and best customer experiences. Headquartered in Milpitas, California, Aviat Networks operates in more than 100 countries around the world. For more information, visit [www.aviatnetworks.com](http://www.aviatnetworks.com) or connect with Aviat Networks on Twitter, Facebook and LinkedIn.

## **About MaxLinear, Inc.**

MaxLinear, Inc. (NYSE:MXL), a leading provider of radio frequency (RF), analog and mixed-signal integrated circuits for the connected home, wired and wireless infrastructure, and industrial and multimarket applications. MaxLinear is headquartered in Carlsbad, California. For more information, please visit

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## **Cautionary Note About Forward-Looking Statements**

This press release contains forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. Forward-looking statements include, among others, statements concerning our reference design win with Aviat and statements concerning or implying the performance of MaxLinear's technologies, their potential use cases, and the potential impact

of these technologies or our design win with Aviat on our business and future operating results. These forward-looking statements involve known and unknown risks, uncertainties, and other factors that may cause actual results to be materially different from any future results expressed or implied by the forward-looking statements. Forward-looking statements are based on management's current, preliminary expectations. In particular, our future operating results are substantially dependent on our assumptions about market trends and conditions and our expectations with respect to recently completed acquisitions, including our ability to integrate our recently completed acquisition of Exar Corporation. Additional risks and uncertainties arising from our operations generally and our recently completed acquisitions include intense competition in our industry; our dependence on a limited number of customers for a substantial portion of our revenues; uncertainties concerning how end user markets for our products will develop; potential uncertainties arising from continued consolidation among cable television and satellite operators in our target markets and continued consolidation among competitors within the semiconductor industry generally; our ability to develop and introduce new and enhanced products on a timely basis and achieve market acceptance of those products, particularly as we seek to expand outside of our historic markets; potential decreases in average selling prices for our products; risks relating to intellectual property protection and the prevalence of intellectual property litigation in our industry; indemnification obligations of Exar arising from a recent divestiture; the impact on our financial condition of acquisition indebtedness and cash usage arising from the Exar transaction; our reliance on a limited number of third party manufacturers; and our lack of long-term supply contracts and dependence on limited sources of supply. In addition to these risks and uncertainties, investors should review the risks and uncertainties contained in our filings with the Securities and Exchange Commission (SEC), including the information under the caption "Risk Factors" in our Annual Report on Form 10-K for the year ended December 31, 2016 and our Quarterly Report on Form 10-Q for the quarter ended September 30, 2017. All forward-looking statements are based on the estimates, projections and assumptions of management as of the date of this press release, and MaxLinear is under no obligation (and expressly disclaims any such obligation) to update or revise any forward-looking statements whether as a result of new information, future events, or otherwise.

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