

Marcoms Bulletin

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Subject: Cobham AvComm Announces High Performance AXIe Modular Product Line

The AXIe Modular Products set a new standard in performance and function.

Cobham AvComm is pleased to announce its new modular line of products based upon the latest AXIe standard. The new 2- and 5-slot Cobham AXIe chassis are the world's first to support both the Wide PCI Express Extensions for AXIe and PCIe Gen3 backplane data rates, making it the test and measurement industry's highest-throughput modular chassis. The mA-1305 Cobham chassis provides five instrument slots inside a 4U rack space, while the smaller 2U form-factor mA-1302 is capable of housing two instrument modules. Both chassis provide backplane bandwidth ideally suited for customers requiring high-performance data transfer and analysis.

In addition to the AXIe chassis, four AXIe instrument modules are initially available—the mA-3011 Embedded Host Processor, the mA-3012 Dual Embedded Host Processor, the mA-6806 Vector Signal Transceiver, and the mA-6906 Vector Signal Transceiver.

The mA-3011 Embedded Host Processor contains a powerful 2.4 GHz Quad Core Intel i7 CPU with up to 16 GB of DDR3 and removable SSD, allowing customers to build self-contained modular solutions. To increase customer flexibility, the mA-3011 can also house a $\frac{3}{4}$ -length x16 PCIe expansion card to provide additional I/O or co-processor capabilities. The mA-3012 provides enhanced capabilities with a second quad-core CPU and utilizes proprietary features of the Cobham mA-1302/5 chassis for multiprocessing functionality previously unavailable in a modular solution.

The mA-6806 Vector Signal Transceiver offers a tuning range of 1 MHz-6 GHz with 200 MHz of instantaneous RF bandwidth. With 4 GB of on-board memory, customers can simultaneously record and playback multiple seconds of full bandwidth I/Q data. Or for real-time applications, the mA-6806 provides duplex streaming over the PCIe fabric of the AXIe backplane. Gigabit Ethernet control is also available for remote applications. In addition to dedicated Type-N RF Input and Output ports, two full-duplex ports are provided, including one 10 W high-power port. The mA-6906 provides all the same features as the mA-6806 but with two transceivers per module, providing twice the rack density of any other RF modular solution allowing up to ten transceivers in a 4U chassis. Control of the modules is provided through popular IVI-C drivers for LabWindows®/CVI, native C++ libraries, or the included soft front panel software graphical user interface.

These initial AXIe modular instruments support a wide variety of high-performance applications, including R&D, production test, service, and custom configurations.

Orders will be taken beginning in Q2-2016 with deliveries 120 days ARO. For additional AXIe Modular details, please visit <http://ats.aeroflex.com/products/modular-instrumentation>.

Thank you for your continued support of Cobham AvComm products!

Stan Pierson
Director of Product Marketing

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