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### **VadaTech Announces 1,344Gb/s Fiber FMC+ Module**

Henderson, NV – January 13, 2020 – VadaTech, a leading manufacturer of integrated systems, embedded boards, enabling software and application-ready platforms, announces the [FMC259](#). The FMC259 is an FPGA Mezzanine Module per VITA 57.4 (FMC+) specification with dual Board-Mount Optical Assemblies, each providing 24 channel full-duplex transceivers capable of up to 28.1 Gb/s per channel (more than 1344Gb/s total bi-directional). The module provides Clock Data Recovery and front-panel fiber I/O via MTP/MPO. Transceivers for this module are available in two speed grades, 10.6 Gb/s and 28.1 Gb/s per channel, both with multi-rate capability. The 10.6 Gb/s can drive 100 m over OM3 MM Fiber and 28.1 Gb/s can drive 100 m over OM4 MM Fiber.

The FMC259 also has an on board Ultra-Low Jitter Clock Generator with two independent, fractional PLL. The clocking allows synchronization to an external clock input or on board. Six clocks are routed to the GBT's on the FMC+ pinouts and two are routed to CLK0 and CLK1 for a total of 8 clock outputs. Additionally, the module has LEDs in Green/Yellow to allow for LNK/ACT, debugging or as defined by user.

#### **About VadaTech**

[VadaTech](#) provides innovative embedded computing solutions from board-level products, chassis-level platforms, to configurable application-ready systems. With a focus on AdvancedTCA, MicroTCA, VPX and PCIe solutions, the company offers unmatched product selection and expertise. A unique combination of electrical, mechanical, software, and system-level expertise, enables VadaTech to provide customized commercial or rugged computing solutions to meet the most complex customer requirements. VadaTech also offers specialized product solutions for VME, CompactPCI, and other architectures. A member of PICMG and VITA, VadaTech has headquarters, design and manufacturing facilities in Henderson, NV with design, support and sales offices in Europe and Asia Pacific.

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