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VadaTech Announces a FMC module with 30 MHz to 6 GHz Quad Narrow-Band and Wideband RF Transceiver

Henderson, NV – March 15, 2023 – VadaTech, a leading manufacturer of integrated systems, embedded boards, enabling software and application-ready platforms, announces the [FMC249](#). The FMC249 is a FPGA Mezzanine Card (FMC) per VITA 57.1 standard. This low powered unit boasts a small footprint and utilizes a dual ADRV9002 highly integrated, wideband RF transceiver.

The ADRV9002 chip on the FMC249 features dual channel Transmitters (TX) and Receivers (RX) with integrated synthesizer and digital signal processing functions. The transceiver consists of direct conversion signal path with state-of-the-art noise figures and linearity. Each complete receiver and transmitter subsystem include dc offset correction, quadrature error correction (QEC), and programmable digital filters, which eliminate the need for these functions in the digital baseband. In addition, several auxiliary functions, such as auxiliary analog-to-digital converters (ADCs), auxiliary digital-to-analog converters (DACs).

Additionally, the ADRV9002 operates from 30 MHz to 6000 MHz and covers the UHF, VHF, industrial, scientific, and medical (ISM) bands, and cellular frequency bands in narrow-band (kHz) and wideband operation up to 40 MHz. The ADRV9002 is capable of both TDD and FDD operation. This makes the FMC249 an ideal choice for the development and/or deployment of advanced RF solutions. Please consult with VadaTech Sales to discuss ordering options.

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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