

## **PanaTeQ's FMC-ZU2RF-A with Analog Devices ADRV9009 Sets New Levels of Wideband RF Transceiver Performances to the FMC VITA 57.1 Standard**

Geneva, Switzerland and Scottsdale, AZ, USA, June 11, 2018 – PanaTeQ ([www.panateq.com](http://www.panateq.com)) introduces the **FMC-ZU2RF-A** based on the new **ADRV9009** Wideband RF Transceiver, Analog Devices's latest RadioVerse family product.

Product description can be downloaded from here

<http://www.panateq.com/fmc-rf.htm>

In addition, PanaTeQ introduces the **VPX-ZU1-SDR-C**, a 3U OpenVPX module based on Xilinx Zynq Ultrascale+ MPSoC ZU6EG/ZU9EG/ZU15EG coupled to Analog Devices ADRV9009 Wideband RF Transceiver.

Available in Air Cooled or Conduction Cooled version, this module offers incredible capabilities and performances to the developers looking for ruggedized Software Defined Radio SWAP-C applications, targeting the defense/aerospace market.

The module can work as stand-alone module, or it can be set as the SBC of the VPX system using the power efficient Quad-Core ARM Cortex A53 SoC and on-board PCIe Gen2 Switch (worldwide unique feature).

The Zynq UltraScale+ MPSoC integrates a Quad-core ARM Cortex-A53 based Application Processing Unit (APU), a Dual-core ARM Cortex-R5 based Real-Time Processing Unit (RPU), a ARM MALI-400 based Graphic Processing Unit (GPU) and an UltraScale+ Programmable Logic (PL) in a single device. It also includes on-chip memory, external memory interfaces, and a rich set of peripheral connectivity interfaces.

The board can be ordered with different versions of the Zynq UltraScale+ family of devices, (ZU6G/ZU9G/ZU15G) coupled up to 8GB 64-bit DDR4-2400 Processing Memory with 8-bit ECC.

Up to 2GB 16-bit of DDR4-2400 is also available as the Programmable Logic Memory, allowing data streaming and signal processing.

64GB of soldered eMMC managed NAND Flash is available for local data storage. The **VPX3-ZU1-SDR-C** uses four advanced DC/DC power modules from Analog Devices (LTM467x) with PMBus and PanaTeQ's Smart Power Management technology.

A large number of the Zynq Ultrascale+ MPSoC PS peripherals are available on the VPX backplane: 1x ETH 1000Base-T, 2x 1000-BX, 2x USB 3.0/2.0, 2x USB 2.0, 1x SATA 3.1, 2x CAN-2.0B, 2x RS-232/422/485, 4x MGT, 20x GPIO and Video Out Display Port 1.2.

The **ADRV9009** component is a highly integrated, wideband RF transceiver offering dual channel transmitters and receivers, integrated synthesizers, and digital signal processing functions.

They operate from 75 MHz to 6000 MHz, covering most of the licensed and unlicensed cellular bands. The IC supports receiver bandwidths up to 200 MHz. It also supports observation receiver and transmit synthesis bandwidths up to 450 MHz to accommodate digital correction algorithms.

The **VPX3-ZU1-SDR-C** comes with a Linux BSP.  
Product description can be downloaded from here

[www.panateq.com/index\\_htm\\_files/FS-VPX3-ZU1-SDR-C.pdf](http://www.panateq.com/index_htm_files/FS-VPX3-ZU1-SDR-C.pdf)

### **About PanaTeQ**

Founded by experts for experts in High-end Embedded Computing, PanaTeQ's mission is to integrate the most powerful Embedded Computing technology of the day into VPX, XMC, AMC, FMC and MTCA.4 boards and systems of extreme reliability, availability and durability, for use in the most demanding Military, Medical, Telecom, Instrumentation, and Industrial Applications. PanaTeQ is an Analog Devices's Associate Partner

[www.panateq.com](http://www.panateq.com)

Kind regards,  
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