

The Zynq® UltraScale+™ RFSoc ZCU111 Evaluation Kit enables designers to jumpstart RF-class analog designs and applications that benefit from the RF-Analog integration and reduced power & footprint of Zynq UltraScale+ RFSocs.

The platform includes an evaluation board, cables, filters, documentation, verified reference design, and includes the XM500 RFMC balun transformer add-on card to support loopback evaluation and signal analysis.



Part Number: EK-U1-ZCU111-G

Target Applications

- [Remote Radio for M-MIMO](#)
- [5G Baseband](#)
- [Cable Access DOCSIS 3.1 Remote-PHY](#)
- [Wireless Backhaul](#)
- Phased Array EW/Radar
- Other-High Performance RF Applications

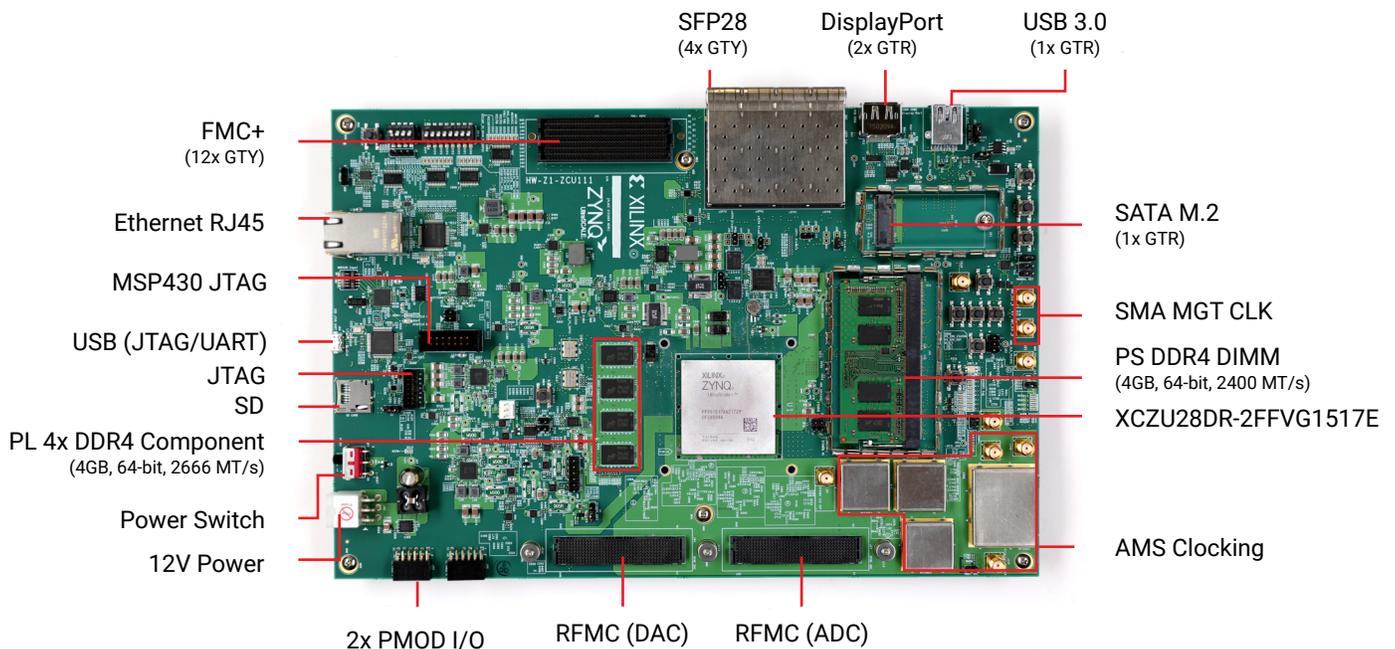
Key Features

- XCZU28DR-2FFVG1517E RFSoc integrated with 8x4GSPS 12-bit ADCs, 8x 6.5GSPS 14-bit DACs, and 8 SD-FECs
- DDR4 Component – 4GB, 64-bit, 2666 MT/s, attached to Programmable Logic (PL)
- DDR4 SODIMM – 4GB, 64-bit, 2400 MT/s, attached to Processor Subsystem (PS)
- Ganged SFP28 cage to support up to 4 SFP/SFP+/zSFP+/SFP28 modules
- 10/100/1000 based Ethernet support over RGMII PHY to RJ-45 connector
- USB3, DisplayPort, and SATA
- 2x PMOD connectors
- FMC+ connector
- RFMC ADC and DAC connectors

Kit Includes

- Zynq UltraScale+ RFSoc ZCU111 Evaluation Board
- XM500 RFMC balun transformer add-on card
- 6 filters (two 2500 MHz low pass, two 1300 MHz low pass, two 3000-4300 MHz bandpass)
- Cables (6 SMA, USB, Ethernet, Power)
- Xilinx Vivado Design Suite Node/Device-Locked License with 1 year of updates
- Access to Analog-Mixed Signal (AMS) Reference Design
- Additional hardware (MicroSD, tools)
- Quick Start Guide

ZCU111 Evaluation Board



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