PicoZed™ FMC Carrier V2

AVNET®
Reach Further™

The PicoZed™ FMC Carrier Card V2 is the 2nd generation FMC Carrier supporting the PicoZed System-on-Module. This Carrier supports development of PicoZed-based designs with a platform containing all the necessary interfaces and I/O expansion required for the PicoZed family of SOMs. The carrier card provides connector interfaces for the on-module Gigabit Ethernet PHY and USB PHY, and also supports common processor system interfaces including µSD card and USB–UART. A majority of the PicoZed's programmable logic I/O are made available through an LPC FMC connector. In addition, an HDMI output port and several peripheral module connectors are included. The four serial transceivers on the 7015 and 7030 SOMs are allocated to a x1 PCIe Gen2 card edge interface, the FMC connector, a SFP+ cage, and a general purpose SMA interface.

DESIGNED BY AVNET

FEATURES

Memory
- MicroSD card socket with 8GB microSD Card
- Clock Synthesizer configuration EEPROM
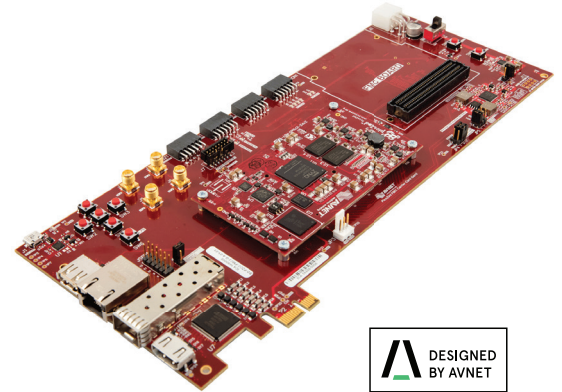- I2C MAC ID EEPROM
- 1-wire MAC ID EEPROM (7015/7030 only)

Communications
- x1 PCIe Gen 2
- SFP+
- SMA port for GTX/GTP
- 10/100/1000 Ethernet connector
- USB 2.0 Type A connector
- USB UART

User I/O
- FMC (Low Pin Count)
- PS Pmod (Shared with SOM eMMC)
- PL Pmods #1,#2 (7015/20/30 only)
- PL Pmod #3 (7015/30 only)
- Software
- PetaLinux
- Wind River Pulsar Linux pre-loaded on microSD card

To purchase this kit, visit www.microzed.org/pzcc-fmc2
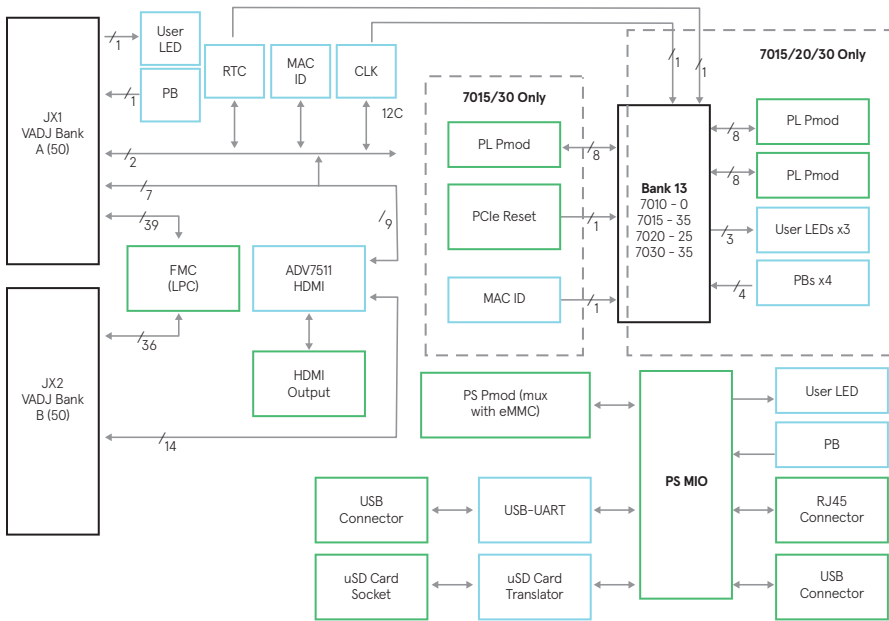
COMPATIBLE WITH

/PICOZED™

KIT INCLUDES

- PicoZed FMC Carrier Card V2
- 8 GB microSD card preloaded with Wind River Pulsar Linux (with SD adapter card)
- USB A to micro-B cable
- ATX-to-6P Mini-Fit adapter
- PCIe bracket
- Mounting hardware for SOM
- 12V AC/DC international supply
- Quick Start instructions (board and Pulsar)

TARGET APPLICATIONS

- PicoZed prototyping
- Zynq evaluation
- FMC prototyping
- PCIe prototyping
- Zynq transceiver evaluation
- Linux development

BLOCK DIAGRAM

Other

- HDMI output port
- JTAG configuration port
- High-performance clock-frequency synthesizer
- Real-time clock
- User push buttons and LEDs
- Adjustable bank voltage power supplies

FEATURED MANUFACTURERS

PARTS

Part Number	Description	
AES-PZCC-FMC-V2-G	PicoZed FMC Carrier Card V2 Kit	

RELATED PARTS

Part Number	Description	
AES-Z7PZ-7Z010-SOM-G	7010 PicoZed SOM	
AES-Z7PZ-7Z015-SOM-G	7015 PicoZed SOM	
AES-Z7PZ-7Z020-SOM-G	7020 PicoZed SOM	
AES-Z7PZ-7Z030-SOM-G	7030 PicoZed SOM	
AES-FMC-HDMI-CAM-G	HDMI Input/Output FMC Module with Camera Interface	
AES-FMC-ISMNET2-G	ISM Networking FMC Module (version 2)	

Countries Available for Purchase: Americas, EMEA, Asia, Japan

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