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.

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
**FEATURED MANUFACTURERS**

FCI | Integrated Device Technology | Maxim Integrated | Microchip | Molex
Samtec | Silicon Labs | TE | Texas Instruments

**PARTS**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Resale</th>
</tr>
</thead>
<tbody>
<tr>
<td>AES-PZCC-FMC-V2-G</td>
<td>PicoZed FMC Carrier Card V2 Kit</td>
<td>$349 USD</td>
</tr>
</tbody>
</table>

**RELATED PARTS**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Resale</th>
</tr>
</thead>
<tbody>
<tr>
<td>AES-Z7PZ-7Z010-SOM-G</td>
<td>7010 PicoZed SOM</td>
<td>$178 USD</td>
</tr>
<tr>
<td>AES-Z7PZ-7Z015-SOM-G</td>
<td>7015 PicoZed SOM</td>
<td>$265 USD</td>
</tr>
<tr>
<td>AES-Z7PZ-7Z020-SOM-G</td>
<td>7020 PicoZed SOM</td>
<td>$213 USD</td>
</tr>
<tr>
<td>AES-Z7PZ-7Z030-SOM-G</td>
<td>7030 PicoZed SOM</td>
<td>$375 USD</td>
</tr>
<tr>
<td>AES-FMC-HDMI-CAM-G</td>
<td>HDMI Input/Output FMC Module with Camera Interface</td>
<td>$250 USD</td>
</tr>
<tr>
<td>AES-FMC-ISMNET2-G</td>
<td>ISM Networking FMC Module (version 2)</td>
<td>$250 USD</td>
</tr>
</tbody>
</table>

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

**CONTACT INFORMATION**

**North America**
2211 S 47th Street
Phoenix, Arizona 85034
United States of America
1-800-585-1602

cdskits@avnet.com

**Europe**
Gruber Str. 60c
85586 Poing
Germany
marketing@silica.com
+49-8121-77702

**Japan**
Yebisu Garden Place Tower, 23F
4-20-3 Ebisu, Shibuya-ku
Tokyo 150-6023 Japan
eval-kits-jp@avnet.com
+81-(0)3-5792-8210

**Asia**
151 Lorong Chuan
#06-03 New Tech Park
Singapore 556741
XilinxAPAC@avnet.com
+65-6580-6000

**Features cont...**

**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

---

Copyright © 2017 Avnet, Inc. AVNET, “Reach Further,” and the AV logo are registered trademarks of Avnet, Inc. All other brands are the property of their respective owners.

LIT# 5068-PB-AES-PZCC-FMC-V2-G-V1