**FMC-IO68**

**31st March 2019**

**Datasheet Revision: 1.3**

### Board Features
- SCSI-2 68-pin Connector
- Level Shifting on IO signals (Direct from FPGA)

### Summary
The **FMC-IO68** is an FMC I/O Module which provides a discrete I/O Interface.

The FMC-IO68 is a VITA 57.1 compliant single width HPC FMC module, designed for use with Alpha Data’s VITA 57.1 compliant carrier cards. It provides the user with 68 IO signals to an industry standard SCSI connector.

### Deliverables
- FMC-IO68 Board
- One Year Warranty
- One Year Technical Support

### Input/Output Interfaces
- **68x single ended I/O (or 34 differential pairs)**
  - Connector: SCSI-2 68-pin Connector

- **2x RS232/422 Links**
  - Connector: Internal Connector

- **4x +3V3 CMOS I/O**
  - Connector: Internal Connector

- **6x Direct FPGA Links**
  - Connector: U.FL
Support
FMC Pinout available in User Manual

Environmental Specification

Temperature Ranges

<table>
<thead>
<tr>
<th>Cooling Option</th>
<th>Operating Temperatures</th>
<th>Storage Temperatures</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Min</td>
<td>Max</td>
</tr>
<tr>
<td>ACE</td>
<td>0°C</td>
<td>70°C</td>
</tr>
</tbody>
</table>

Operating Humidity: Up to 95% (non-condensing)

EMC Standards

FCC 47CFR Part 2
EN55022:2010 Equipment ClassB

Ordering Information

Order Code: FMC-IO68(v)

<table>
<thead>
<tr>
<th>Option</th>
<th>Code</th>
<th>Description of Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>IO Voltage</td>
<td>v</td>
<td>blank = Direct from FPGA, /3V3 = 3.3V, /5V0 = 5.0V</td>
</tr>
</tbody>
</table>

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