Prime Application
Kintex® UltraScale™ Space Development Kit

Board Features
- ADM-SDEV-BASE - FPGA Board
- ADM-SDEV-CFG - XRTC Configuration FMC
- Space-Grade Power and Temperature Sensing solutions from Texas Instruments
- FMC+ HPC Interface
- FMC LPC Interface
- XRTC Compatible Configuration FMC Interface
- SODIMM Memory Socket (8GB Fitted)

Summary
The ADA-SDEV-KIT2 is a lab development kit for system developers planning to use the Radiation Tolerant Xilinx™ Kintex® UltraScale™ XQRKU060-1 FPGA. The kit is manufactured with the commercial equivalent XCKU060-1-I device.


Target Device
Xilinx Kintex UltraScale
XCKU060-1-I (1FFVA1517)
LUTs = 221k FFs = 663k DSPs = 2760
BRAM = 38.0Mb
3x PCI Express Gen3 cores

Application Data Memory
1x 1G x 72 (8GiB) DDR3-1600

Configuration Memory
QSPI 2x256MB Flash Memory

Configuration Modes
configured by XRTC compatible Configuration FMC or through JTAG socket on the Configuration FMC

Deliverables
ADA-SDEV-KIT2
One Year Warranty
One Year Technical Support
Example Vivado Projects
Reference Schematics Available

Environmental Specification

<table>
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<tr>
<th>Environmental Specification</th>
<th>Cooling Option</th>
<th>Operating Temperatures</th>
<th>Storage Temperatures</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>AC0</td>
<td>0°C - 55°C</td>
<td>-40°C - 85°C</td>
</tr>
<tr>
<td>Operating Humidity</td>
<td></td>
<td>Up to 95% (non-condensing)</td>
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Ordering Information
Order Code: ADA-SDEV-KIT2/C

Note
This is the Rev2 assembly, contact sales for other configuration options.
For rev1 (ADA-SDEV-KIT) pricing and availability contact sales.