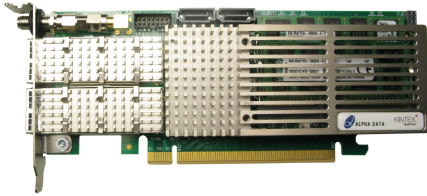


AD01284



Applications

- High-Performance Data Processing
- Data Center
- Network Accelerator
- High Performance Computing (HPC)
- System Modeling
- Market Analysis

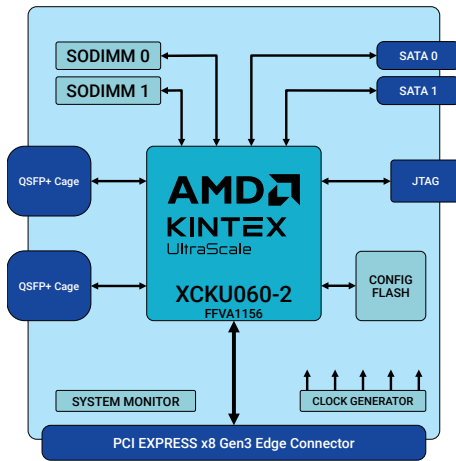
Board Features

- 2x QSFP+ Cages
- 2x 8GB DDR3 ECC-SODIMMs
- 2x SATA Interfaces
- System Monitor
- Heatsink with optional fan

Summary

The ADM-PCIE-KU3 is a high performance reconfigurable Half-Length, low profile x16 PCIe form factor board based on the AMD Kintex UltraScale range of Platform FPGAs.

The ADM-PCIE-KU3 features two independent channels of DDR3 memory capable of 1600MT/s (fitted with two 8GB SODIMMs), SATA connections, High Speed I/O via Dual QSFP+ ports supporting up to 40G Ethernet or 4 x 10G Ethernet links, voltage/temperature/current control and monitoring, air-cooled heat sink with removable fan. Please contact Alpha Data Sales for no-fan ordering option.



Target Device

AMD Kintex UltraScale
XCKU060-2 (FFVA1156)

LUTs = 221k FFs = 663k
DSPs = 2760
BRAM = 38.0Mb

3x PCI Express Gen3 cores

Application Data Memory

2x 1G x 72 (8GiB) DDR3-1600

Configuration Memory

BPI 1Gbit Flash Memory
Configured as 4 x 256Mbit zones

Configuration Modes

From onboard Flash
Over JTAG

Deliverables

ADM-PCIE-KU3 Board
One Year Warranty
One Year Technical Support

Host Interface

PCI Express Gen3 x8 (also supports 2nd x8 PCIe hard macro or soft x16 cores)

Board Format

1/2 Length low profile x16 PCI Express Card
WxHxD = 174mm x 68.9mm x 32.5mm
Weight = 220g

Communications Interfaces

2x QSFP 4x10Gbps - User Configurable, includes 10/40G Ethernet

Input/Output Interfaces

Other Interfaces

Dual SATA Interfaces (6Gbps)
External Sync (PPS) interface

Environmental Specification

Cooling Option	Operating Temperatures		Storage Temperatures	
	Min	Max	Min	Max
AC0	0°C	+55°C	-40°C	+85°C

Operating Humidity

Up to 95% (non-condensing)

EMC Standards

See the ADM-PCIE-KU3 Declaration of Conformity documents

Ordering Information

Order Code: ADM-PCIE-KU3(M)(F)

Option	Code	Description of Options
Memory Option	M	blank = 16GB, /32GB = 32GB
Fan Fitted	F	blank = Fan Fitted, /NF = No Fan Fitted