

AD01413



Prime Application

Standalone carrier for XMC
System-on-Module

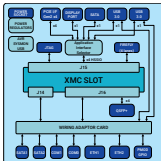
Board Features

- Power connector
- AVR System Monitor
- Fan cooling for the XMC
- USB Comms
- SATA Socket
- Ethernet Ports
- Display Port
- PCI Express Gen2 x4

Summary

The ADC-XMC-STANDALONE is a standalone breakout adapter for Alpha Data XMCs. A personality wiring card matches the XMC pinout to route through to the breakout interfaces.

The ADC-XMC-STANDALONE can be controlled by the on-board AVR controller. The controller can power the board on/off by commands from a micro USB interface, it can also measure current consumption on the 12V and 3.3V supplies.



Deliverables

ADC-XMC-STANDALONE Board
One Year Warranty
One Year Technical Support
Requested SoM personality card

Input/Output Interfaces

Comms

100BASE-T Ethernet x2 (RJ45)
QSFP+ HSSIO (4 lanes)
Serial COM Ports x2 (DB-9)
USB3.0 x2 (Type A)
PCI Express Gen2 x4 Interface (M.2 PCIe Conn.)

External Storage

SATA Interface

Other I/O

GPIO: up to 40* I/O (*XMC dependent)
Display Port

Power

External power: 15V-30V (Power adaptor NOT included)

Support

No Software required

Board Format

Board Dimensions: 112.5mm x 219.0mm.

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

FCC 47CFR Part 2

EN55022:2010 Equipment ClassB

Ordering Information
Order Code: ADC-XMC-STANDALONE/x(t)

Option	Code	Description of Options
XMC Personality Card	x	9R1 = ADM-XRC-9R1, KU1 = ADM-XRC-KU1, 7Z1 = ADM-XRC-7Z1, 7V1 = ADM-XRC-7V1, 7K1 = ADM-XRC-7K1
XMC Connector Type	t	blank = XMC (VITA 42) Connectors, /X2 = XMC2 (VITA 61) Connectors
Note		Not all SoM I/O may be available on the ADC-XMC-STANDALONE I/O and similarly not all ADC-XMC-STANDALONE I/O may be utilised by the attached SoM. Check with sales@alpha-data.com for further details.

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