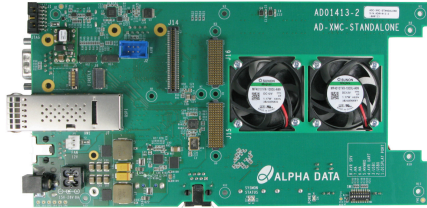


AD01413



## Prime Application

**Standalone carrier for XMC  
System-on-Module**

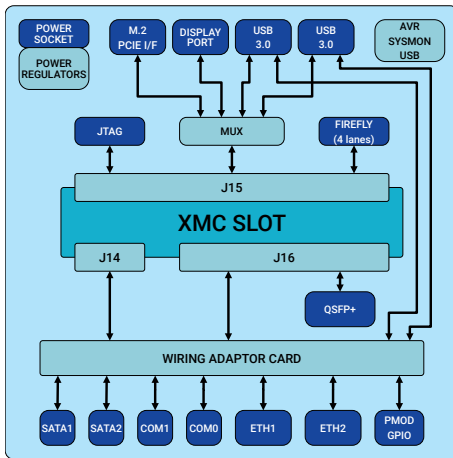
## Board Features

- 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

1000BASE-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**
**Ordering Information**
**Order Code: ADC-XMC-STANDALONE/t/x**

Option	Code	Description of Options
XMC Connector Type	t	blank = XMC/VITA42, V88 = XMC+/VITA88 Connectors
XMC Personality Card	x	9R1 = ADM-XRC-9R1, KU1 = ADM-XRC-KU1, 7Z1 = ADM-XRC-7Z1, 7V1 = ADM-XRC-7V1, 7K1 = ADM-XRC-7K1
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.