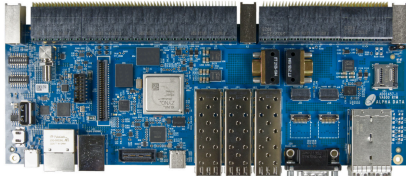


AD01457



## Applications

- ADM-VA600 Testing/Debug
- Connectivity for the ADM-VA600 backplane IO

## Board Features

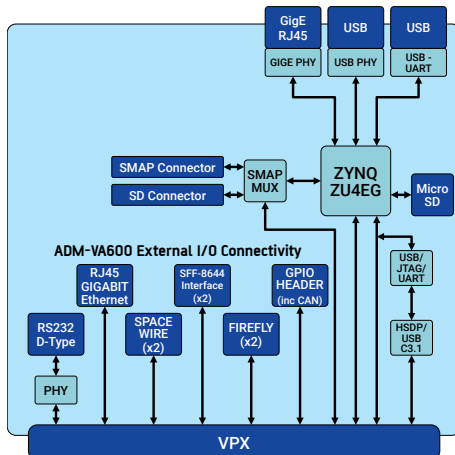
- Zynq ZU4EG FPGA
- Dual FireFly
- Dual SFF-8644
- Dual Space Wire
- Gigabit Ethernet
- CAN

## Summary

The **ADM-VA600-RTM** is a 6U, VPX, Rear Transition Module (RTM) designed to interface with the Alpha Data ADM-VA600 AMD-Xilinx Versal AI Core XQRVC1902 Adaptable SoC platform.

The RTM provides an on board AMD-Xilinx Zynq ZU4EG for application development configuration control, system monitoring and debug. It also provides connectivity for all the ADM-VA600 backplane IO with Dual FireFly interfaces, Dual SFF-8644 Interfaces, Space Wire, CAN, Gigabit Ethernet and RS232 communications interfaces.

See the **ADK-VA600** page for the complete system overview.



## Target Device

AMD-Xilinx Zynq Ultrascale+  
XCZU4EG (-)

LUTs = 87k FFs = 175k DSPs = 728  
BRAM = 4.5Mb URAM = 13.5Mb

## Configuration Memory

QSPI TBC Flash Memory

## Configuration Modes

Via QSPI Flash or via JTAG

## Deliverables

ADM-VA600-RTM Board  
One Year Warranty  
One Year Technical Support

## Board Format

VPX 6U Rear Transition Module

## Input/Output Interfaces

### Comms

SFF-8644 HSSIO

### Gigabit Ethernet

Gigabit Ethernet Interfaces

### FireFly

FireFly HSSIO

### CAN Communications

CAN Interface

### Space Wire I/O

Space Wire

### Comms

RS232 Communications

## Environmental Specification

| Cooling Option | Operating Temperatures |       | Storage Temperatures |        |
|----------------|------------------------|-------|----------------------|--------|
|                | Min                    | Max   | Min                  | Max    |
| AC1            | -40°C                  | +70°C | -55°C                | +100°C |

## Operating Humidity

Up to 95% (non-condensing)

## EMC Standards

FCC 47CFR Part 2  
EN55022:2010 Equipment ClassB

## Ordering Information

**Order Code: ADM-VA600-RTM**

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