

AD01457



Applications

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

Board Features

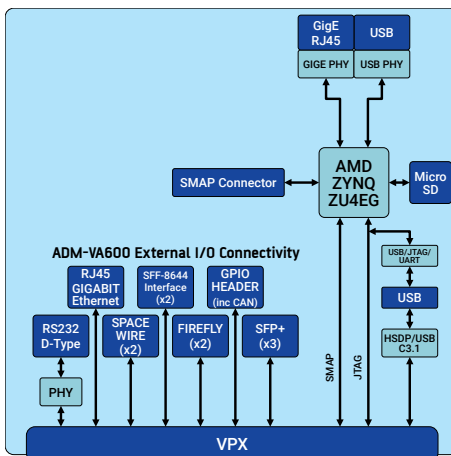
- Debug control configuration and system monitoring processor: Zynq ZU4EG FPGA
- Break out ports for testing: 2x FireFly; 2x SFF-8644; 2x Space Wire; 3x SFP+; 2x RJ45 Gigabit Ethernet; HSDP(USB C); CAN and RS232

Summary

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

The RTM provides an on board AMD Zynq ZU4EG for system monitoring, debug, clock programming, and even the development of custom configuration solutions, with its external access and control of the ADM-VA600 Versal device's SMAP. 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 Zynq Ultrascale+
XCZU4EG (-)

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

Configuration Memory

SD Card 32Gb Flash Memory

Configuration Modes

SD Card or JTAG

Deliverables

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

Board Format

VPX 6U Rear Transition Module

Input/Output Interfaces

Versal High Speed Serial IO GTs
2xSFF-8644/2xFirefly/3xSFP+/1xUSB-C

Versal Gigabit Ethernet
1x Gigabit Ethernet Interface

Versal CAN Communications
CAN Interface

Versal Space Wire I/O
Space Wire

Versal Comms
1xRS232 Comm port

Versal GPIO
GPIO connector

Zynq US+ Gigabit Ethernet
1xGigabit Ethernet Interface

Zynq US+ Comms
1x RS232 Comm port

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)

Ordering Information

Order Code: ADM-VA600-RTM