AMD
VERSAL
Prime

Versal™ Prime Series VMK180 Evaluation Kit

OVERVIEW

The Versal™ Prime series VMK180 evaluation kit, equipped with the VM1802 ACAP, enables the fastest path to application design using the Versal architecture.

The VMK180 allows designers to jump-start their hardware/software differentiation with pre-built system infrastructure, enabled by a programmable network on chip (NoC) and integrated shell of optimized IP.

With high-performance compute engines, next-generation I/O, and standardized development flows, the VMK180 is an ideal evaluation kit for designing diverse workloads in a wide range of markets.

HIGHLIGHTS

Evaluate Versal Prime Series Capabilities

> Equipped with Versal ACAP VM1802 production silicon

> Accelerate hardware/software differentiation with pre-built system infrastructure including integrated shell and programmable NoC

> Pre-optimized reference designs for rapid prototyping

Breadth of Connectivity Options for Rapid Development

> PCIe® Gen4 interface for high compute performance markets

> HDMI for video processing applications

> SFP28/QSFP28/RJ-45 for networking applications

> DDR4 and LPDDR4 memory interfaces

> FMC expansion connectors supporting a variety of optional plug-in cards
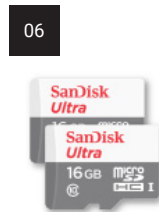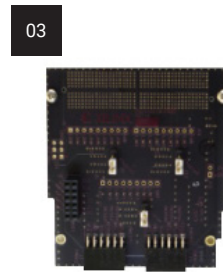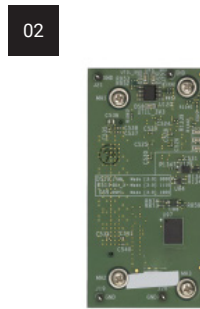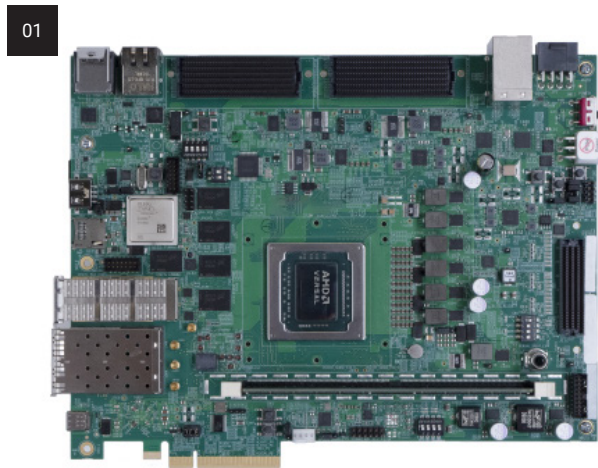
Co-Optimized Tools and Debug Method

> Fully supported by Vivado™ Design Suite, Vitis™ unified software platform

TARGET APPLICATIONS

> Data Center Storage Acceleration

> SmartNIC

> 5G xHaul

> Nx100G Ethernet & OTN Networking

> Communication Test Equipment

KIT CONTENTS

01	VMK180 Evaluation Board
02	QSPI Boot Module
03	Pmod Module
04	2 Ethernet Cables
05	USB Type-C Cable
06	2 Micro SD Cards
07	180W (12V) Power Supply

TAKE THE NEXT STEP

To purchase or to learn more about the Versal Prime series VMK180 evaluation kit, visit www.xilinx.com/vmk180