Versal™ Premium Series VPK120 Evaluation Kit

OVERVIEW
The VPK120 Evaluation Kit features the Versal Premium series VP1202 device, offering networked, power-optimized cores, including 600G Ethernet cores, 400G High-Speed Crypto Engines, and 100G multirate Ethernet cores.

The kit comes with a breadth of connectivity options, development tools, and example designs to accelerate prototyping the most demanding compute and networking systems across multiple markets.

HIGHLIGHTS
Versal Premium Series Capabilities
> High I/O bandwidth and logic density
> PCIe® Gen5 with built-in DMA & CCIX
> 600G Ethernet cores
> 100G multirate Ethernet cores
> 400G High-Speed Cryptographic (HSC) engines

Breadth of Onboard Connectivity Options
> PCIe Gen5x8 edge connector
> QSFP-DD ports supporting up to 112Gb/s over copper and optical
> FPGA Mezzanine Card (FMC+) interface for I/O expansion
> 1GbE USB3.0 MicroSD card reader
> 12GB of onboard LPDDR4 memory

Development Tools and Enhanced Debug Methodology
> Co-optimized with Vivado™ ML Design Suite and the Vitis™ unified software platform
> Shipped with pre-built boot images

TARGET APPLICATIONS

Wired Communication
> Metro Core Transport
> Data Center Interconnect
> Security Appliances

Data Center
> Search
> Recommendation
> Video Analytics

Test and Measurement
> Network Testers
> PCIe Protocol Analyzers

Aerospace and Defense
> Avionics
> Secure Communications

READY TO CONNECT? VISIT xilinx.com/vpk120
KIT CONTENTS

01  VPK120 Evaluation Board
02  2 Ethernet Cables
03  MicroSD Card
04  180W (12V) Power Supply
05  USB 3.0 Cable
06  Micro USB Cable
07  QSFP-DD Loopback Module
08  PCIe® Bracket
09  Vivado™ ML Enterprise Edition Voucher

TAKE THE NEXT STEP
For more information, documents, and reference designs, or to purchase, visit xilinx.com/vpk120

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