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, CXL
- 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 106.25Gb/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
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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