EN - For pricing and availability in your local country please visit one of the below links:

DE - Informationen zu Preisen und Verfügbarkeit in Ihrem Land erhalten Sie über die unten aufgeführten Links:

FR - Pour connaître les tarifs et la disponibilité dans votre pays, cliquez sur l'un des liens suivants:

EK-VPK120-G

EN
This Datasheet is presented by the manufacturer

DE
Dieses Datenblatt wird vom Hersteller bereitgestellt

FR
Cette fiche technique est présentée par le fabricant

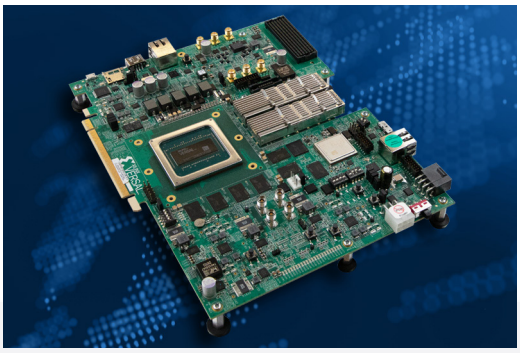
PRODUCT BRIEF

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

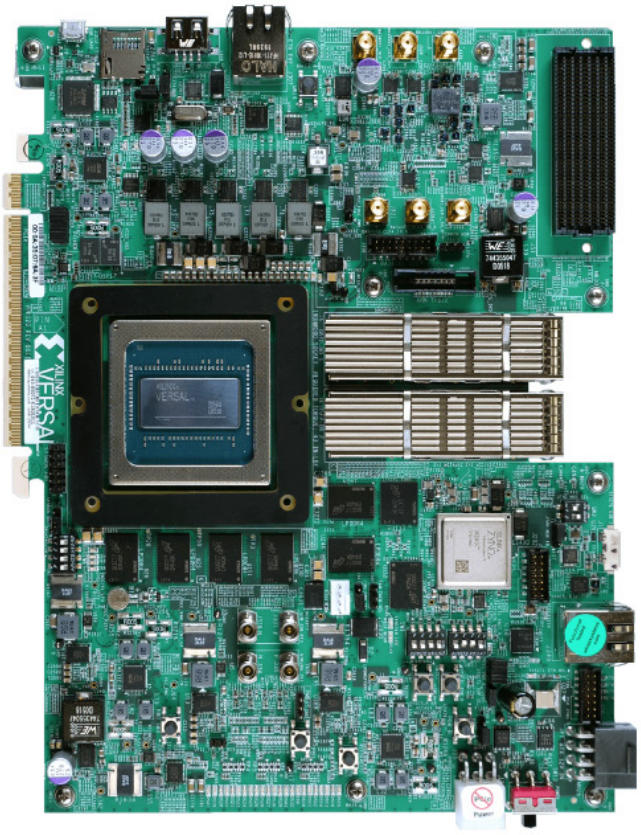
- Network Testers
- PCIe Protocol Analyzers

Aerospace and Defense

- Avionics
- Secure Communications

KIT CONTENTS

01



02



03



04



05



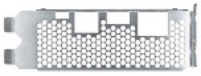
06



07



08



09



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

TAKE THE NEXT STEP

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

Corporate Headquarters

Xilinx, Inc.
2100 Logic Drive
San Jose, CA 95124
USA
Tel: 408-559-7778
www.xilinx.com

Xilinx Europe

Xilinx Europe
Bianconi Avenue
Citywest Business Campus
Saggart, County Dublin
Ireland
Tel: +353-1-464-0311
www.xilinx.com

Japan

Xilinx K.K.
Art Village Osaki Central Tower 4F
1-2-2 Osaki, Shinagawa-ku
Tokyo 141-0032 Japan
Tel: +81-3-6744-7777
japan.xilinx.com

Asia Pacific Pte. Ltd.

Xilinx, Asia Pacific
5 Changi Business Park
Singapore 486040
Tel: +65-6407-3000
www.xilinx.com

India

Xilinx India Technology Services Pvt. Ltd.
Block A, B, C, 8th & 13th floors,
Meenakshi Tech Park, Survey No. 39
Gachibowli(V), Seri Lingampally (M),
Hyderabad -500 084
Tel: +91-40-6721-4747
www.xilinx.com

AMD XILINX

© Copyright 2022 Advanced Micro Devices, Inc. All rights reserved. Xilinx, the Xilinx logo, AMD, the AMD Arrow logo, Alveo, Artix, Kintex, Kria, Spartan, Versal, Vitis, Virtex, Vivado, Zynq, and other designated brands included herein are trademarks of Advanced Micro Devices, Inc. Other product names used in this publication are for identification purposes only and may be trademarks of their respective companies. AMBA, AMBA Designer, ARM, ARM1176JZ-S, CoreSight, Cortex, and PrimeCell are trademarks of ARM in the EU and other countries. PCIe, and PCI Express are trademarks of PCI-SIG and used under license.

Printed in the U.S.A. SF81022

EN - For pricing and availability in your local country please visit one of the below links:

DE - Informationen zu Preisen und Verfügbarkeit in Ihrem Land erhalten Sie über die unten aufgeführten Links:

FR - Pour connaître les tarifs et la disponibilité dans votre pays, cliquez sur l'un des liens suivants:

EK-VPK120-G

EN
This Datasheet is presented by the manufacturer

DE
Dieses Datenblatt wird vom Hersteller bereitgestellt

FR
Cette fiche technique est présentée par le fabricant