

Dear Avnet Customer,

Thank you for purchasing Avnet's MicroZed™ Industry 4.0 Ethernet Kit (I4EK). This platform demonstrates multi-protocol Industrial Ethernet in the Xilinx Zynq-7000™ SoC with Anybus® technology from HMS Industrial Networks. With support from HMS Anybus® IP, the kit enables the most widely used protocols with a unified API. The result is seamless hardware and software integration across networks. Protocol support includes EtherCAT®, Powerlink, PROFINET® RT/IRT, EtherNet/IP™, and Modbus-TCP. No startup fees for evaluation and development. Deployed products are licensed with a tiny 1-wire security device, purchased from HMS Industrial Networks.

Kit Includes

- MicroZed 7020 SOM
- ISM Networking Module II
- MicroZed FMC Carrier
- JTAG HS3 High Speed Xilinx Programming Cable
- Micro SD card
- Ethernet and USB cables
- 12V power supply
- Quick Start Card
- EtherCAT reference design and Anybus IP tutorial downloads

Platform Features

- Powerful Zynq-7000 SoC integrates dual ARM® Cortex™-A9 subsystem with an FPGA
- Low-cost MicroZed System-on-Module (SOM) – small, rugged, and built for deployment
- Two real-time Ethernet ports plus one enterprise Ethernet port and USB2.0 OTG
- Expansion for general purpose I/O, plus RS-232/485 and dual CAN transceivers
- Modular FMC-based development system is flexible for a wide range of applications
- Supported by HMS Anybus IP for Xilinx devices
- Flexible development with EtherCAT®, Ethernet POWERLINK, PROFINET RT/IRT, EtherNet/IP™, and Modbus-TCP

Reference Designs

Go to www.hms-networks.com/anybusip to download the HMS Anybus IP tutorial and executable for the EtherCAT Slave reference design.

Documentation and Support

Please visit www.microzed.org for kit documentation and technical questions.

Thanks for your interest in Avnet production-ready system-on-module solutions.

Sincerely,

Avnet Global Solutions Team