

# ISM Networking FMC Module



The Avnet ISM Networking FMC Module II enables a variety of digital communication interfaces common to industrial applications, including Industrial Ethernet. The module is designed to operate with any Avnet or Xilinx base board that is FMC enabled. From dual 1588 compatible 10/100 Ethernet PHYs, to CAN, RS232, and RS485, the ISM Networking FMC Module II can quickly get you started with Xilinx FPGA and SoC based designs.

This is the 2nd evolution of this FMC module, adding flexibility to the Ethernet PHY reference clock, flash storage, a security EEPROM, and additional user LEDs. Rest assured that this version is 100% backwards compatible with the original design. Download the User Guide for more information.

## FEATURES

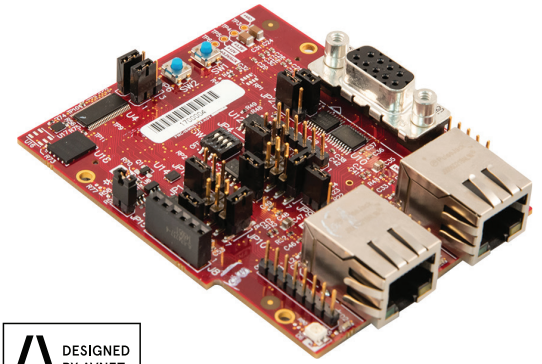
- FMC LPC single-width module
- Dual IEEE 1588 10/100 PHY
- Dual CAN interfaces
- RS232 port
- RS485 port
- GPIO connectors
- Ethernet ID EEPROM
- Security EEPROM
- 256Mb SPI Flash
- User LEDs

## TARGET APPLICATIONS

### Industrial Ethernet protocols including:

- Profinet®
- Powerlink
- EtherNet/IP
- EtherCAT®
- ModBus TCP

## FEATURED MANUFACTURERS

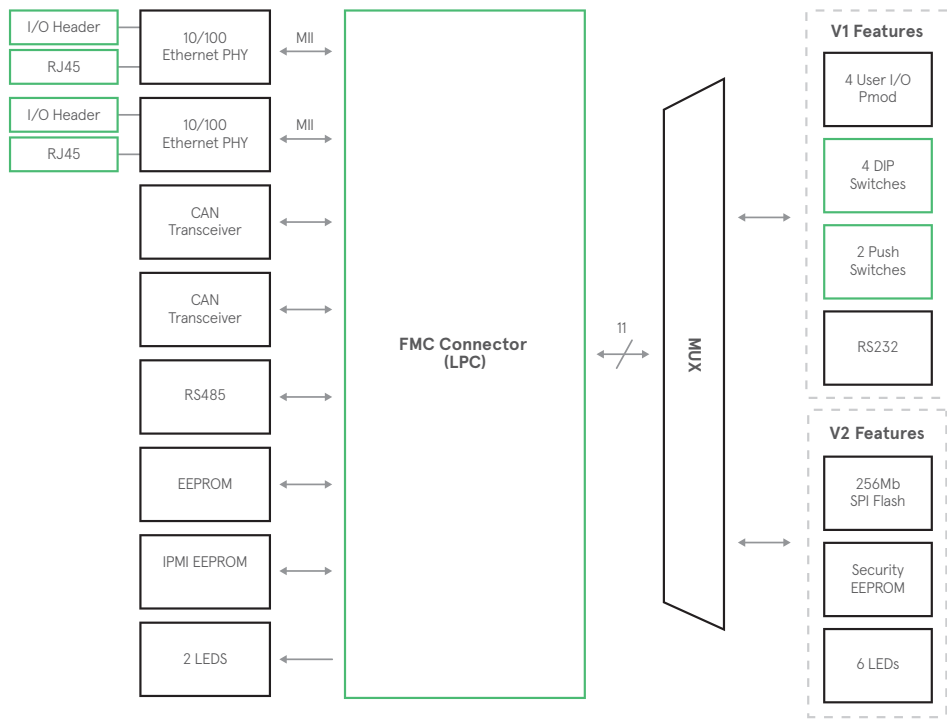


## KIT INCLUDES

- ISM Networking FMC Module
- Downloadable schematics, BOM, and User Guide

To purchase this kit, visit [avnet.com/us/fmc-ismnet2](https://www.avnet.com/us/fmc-ismnet2)

BLOCK DIAGRAM



PARTS

| Part Number       | Description                           | Resale    |
|-------------------|---------------------------------------|-----------|
| AES-FMC-ISMNET2-G | ISM Networking FMC Module (version 2) | \$250 USD |

Countries Available for Purchase: Americas, EMEA, Asia, Japan

CONTACT INFORMATION

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