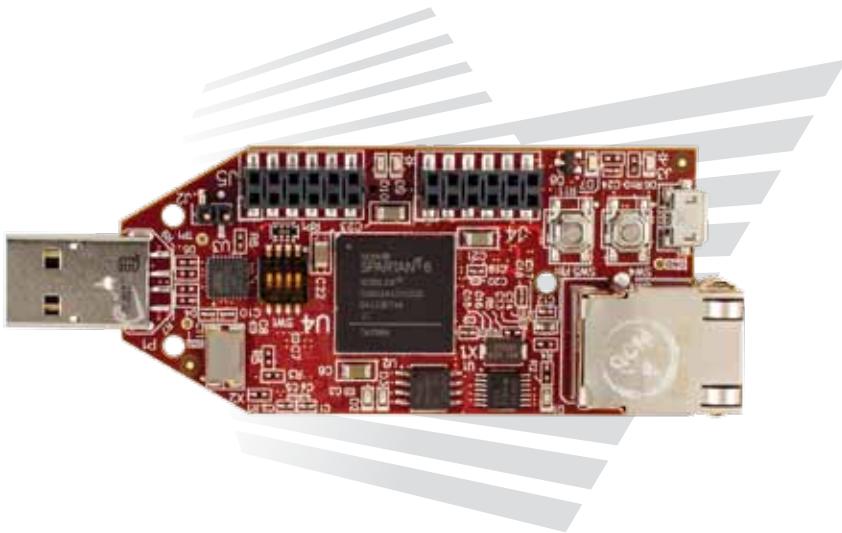


# Avnet Product Brief

## Xilinx® Spartan®-6 FPGA LX9 MicroBoard



DESIGNED BY AVNET

### Features

- >> Spartan-6 XC6SLX9-2CSG324C FPGA
- >> 64 MB LPDDR SDRAM
- >> 128 Mb Multi-I/O SPI Flash
- >> 10/100 Ethernet PHY
- >> USB-to-UART port
- >> On-board USB JTAG circuitry
- >> Two 2x6 PMOD expansion ports
- >> Single-chip, 3-rail power with Power Good indicator
- >> Programmable clock chip
- >> Over-voltage and ESD protection on USB
- >> Four LEDs
- >> 4-bit DIP switch
- >> Reset and PROG push-buttons

### Target Applications

- >> Embedded microcontrollers
- >> General purpose FPGA prototyping
- >> Web server
- >> Test and measurement

The low-cost Spartan-6 FPGA LX9 MicroBoard is the perfect solution for designers interested in exploring the MicroBlaze™ soft processor or Spartan-6 FPGAs in general. The kit comes with several pre-built MicroBlaze “systems” allowing users to start software development just like any standard off-the-shelf microprocessor. The included Software Development Kit (SDK) provides a familiar Eclipse-based environment for writing and debugging code. Experienced FPGA users will find the MicroBoard a valuable tool for general purpose prototyping and testing. The included peripherals and expansion interfaces make the kit ideal for a wide variety of applications. From a system running an RTOS to a Linux-based web server, the Spartan-6 FPGA LX9 MicroBoard can help you validate your next design idea.

### Kit Includes

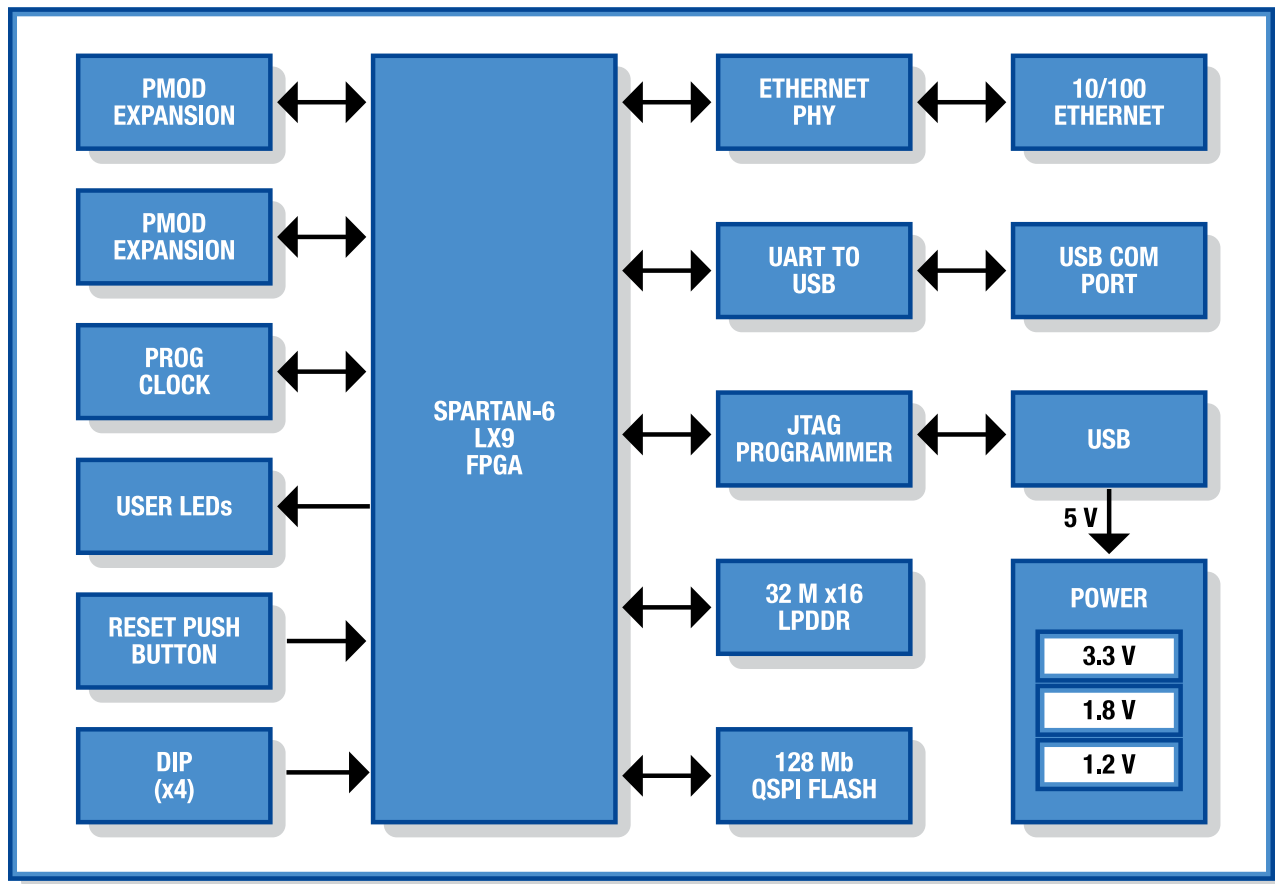
- >> Spartan-6 FPGA LX9 MicroBoard
- >> ISE® WebPACK® software with device locked SDK and ChipScope licenses
- >> Micro-USB and USB Extension cables
- >> Printed documentation and Getting Started Demo
- >> Downloadable documentation and reference designs

To purchase this kit, visit [www.em.avnet.com/s6microboard](http://www.em.avnet.com/s6microboard)



Accelerating Your Success™

# Xilinx® Spartan®-6 MicroBoard



## Featured Manufacturers



## Ordering

Part Number	Hardware	Resale
AES-S6MB-LX9-G	Xilinx Spartan-6 FPGA LX9 MicroBoard	\$89 USD

To purchase this kit, visit [www.em.avnet.com/s6microboard](http://www.em.avnet.com/s6microboard)

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