

PRODUCT BRIEF

AMD SPARTAN™ ULTRASCALE+™ FPGA SCU35 EVALUATION KIT



together we advance.

OVERVIEW

The AMD Spartan™ UltraScale+™ FPGA SCU35 Evaluation Kit is an affordable development platform offering a wide range of sensor and peripheral interfacing options for diverse applications. It features the Spartan UltraScale+ SU35P device, optimized for I/O expansion and board management applications. The kit offers the flexibility to connect and test multi-sensor configurations, monitor power consumption, and leverage security features for robust protection.

The kit comes with a breadth of connectivity options, software tools, and example designs to accelerate development of applications across multiple markets. The SCU35 Evaluation Kit is highly accessible and out-of-the-box ready for developers of varying FPGA development experience.

HIGHLIGHTS

SPARTAN ULTRASCALE+ SU35P FPGA CAPABILITIES

- High I/O, Low Power
- State-of-the-Art Security Features
- 36K Logic Cells and 304 Max Total I/O
- 1.93 Mb Total On-Chip Memory

BREADTH OF BOARD-LEVEL CONNECTIVITY OPTIONS

- 2x MikroE Click Ports and 1x HSIO Connector
- Arduino Shield I/O Expansion Interface
- 4x Pmods and 2x Raspberry Pi HAT I/O Expansion Interfaces
- 1x MII 10/100 Ethernet Networking with RJ-45 Connector
- HyperRAM Memory (64 Mb)

DEVELOPMENT TOOLS & OUT-OF-THE-BOX READY

- AMD Vivado™ Design Suite and Vitis™ Unified Software Platform
- Example designs and tutorials to get started quickly without FPGA experience

KEY APPLICATIONS

INDUSTRIAL

- Factory Automation
- Robotics
- IIoT Gateway and Edge Applications
- Smart City, Smart Grid

MEDICAL

- Smart Patient Monitor
- Robot-Assisted Surgery

WIRED & WIRELESS

- 4G & 5G Wireless Infrastructure
- Board Controller
- Access Network and Connectivity

DATA CENTER

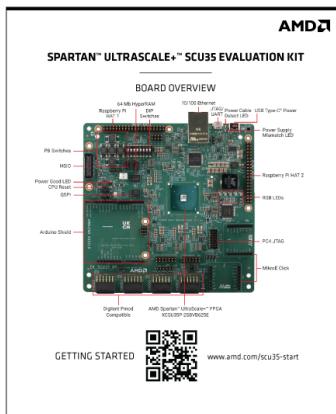
- Board Management Controller
- Hyperscale Storage



01



02



01 | AMD Spartan™ UltraScale+™ SCU35 Evaluation Kit

02 | Kit Flyer

NEXT STEPS

- For more information on the AMD Spartan UltraScale+ FPGA SCU35 Evaluation Kit, visit www.amd.com/scu35.
- For more information on AMD Spartan UltraScale+ FPGAs, visit www.amd.com/spartan-ultrascale-plus.

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