Get to Market Faster

Spark-102
Industrial Ethernet Platform on a SOM
Ready to use Altera Cyclone V SoC SOM with Industrial Ethernet Slave
Spark-102 Industrial Ethernet platform

The Spark-102 system on module based on Altera Cyclone V SoC allows you to quickly develop your product utilising the FPGA configurability and an integrated Industrial Ethernet Slave and HMI. The Industrial Ethernet Slave solution includes on board IE Phys and an FPGA IP supporting multiple Industrial Ethernet standards including EtherCat and Profinet, all controlled by the Linux OS.

Benefits:
- Slashes development time by 18 months on average
- Ready to use FPGA and ARM processor
- Fully functional Industrial Ethernet slave, no development needed
- Licensing and royalty included
- Multi-protocol Industrial Ethernet support
- Capacitive touch for HMI
A complete hardware and software solution ready to integrate in your product

Cost optimized open hardware

- Based on Altera Cyclone V SoC
- Industrial Ethernet Block
  - 2 Fast Ethernet PHYs ready for Industrial Ethernet
  - Integrated IE FPGA IP by Softing AG supporting multiple protocols including EtherCat and Profinet
- Built-in license CPLD
- Capacitive touch LCD screen interface

CB-52 Development Kit

- CB-52 networking development board
- Standard SMARC interface
- Altera HSMC interface
- Built-in 1 GBE interface
- 2 FE interfaces for Industrial Ethernet
- Capacitive touch LCD screen interface
- PCI slot
Why choose Shiratech?

**Standard – Based**
Our products are 100% SMARC compliant so you can integrate, upgrade and replace easily.

**SOM + Platforms**
Going beyond the SOM, we put together open and flexible hardware and software platforms that accelerate your time to market.

**Full Turnkey Solutions**
Shiratech is part of Aviv Technologies, provider of full service technology design, procurement and manufacturing solutions.

**Service Driven**
Questions, customization, support? You’ll get quick access to our engineering team.

Aviv Technologies Group is a full service technology provider of design, procurement and manufacturing solutions. Our subsidiaries also act as distributors of electro-mechanical and power products and solutions.