



# STR912 PROCESSOR MODULE EDP-CM-STR9

## Key Features

- Processor module for the ST Microelectronics STR912 ARM 9 microcontroller including support devices.
- 96MHz STR9FAWX44 ARM966 CPU with 512k on-chip FLASH memory and 96k SRAM
- 64k x 16 SRAM
- Integrated 1.8V core regulator for single 3V3 supply from EDP Baseboard.
- External 32kHz XTAL for on-chip RTC

## Other Features Include:

- Additional IO from EDP Baseboard.
- Application and System LED's..
- Standard JTAG signals are also available for direct connection.

And much more...

## Peripherals:

### CAN

- 1 transceiver with PESD2CAN protection, routed to EDP Baseboard for access to other EDP Modules.

### Ethernet

- The module is populated with the STE100P PHY, for instant access to Ethernet Networks through the Rj45 connector on the EDP Baseboard.

### USB

- USB-JTAG through dedicated FTDI chip, which also gives access to asynchronous serial port. These are routed to the mini USB connector on EDP Baseboard, for debugging and programming.
- USB ESD protection on USB +/- pins.

### I2C

- Connection to I2C bus for communication with EDP application modules and EDP Baseboard.

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