

Multi purpose communicating Controller

The Multi-purpose communicating controller is a Stamp-like controller with a huge array of interface technologies on-board.

The MCOMM-100 Stamp can be used on a standard main-board, that provides all the plugs and power supplies to run the system, or on a customized main-board.

MCOMM-1000: Features

- 10/100Mbit Ethernet
- USB 2.0 FS Device and Host
- 3 Serial ports (UART)
- PWM, ADC, SPI, SSC, I2C, I/O
- Battery-backed Realtime clock
- 8KByte EeProm (non-volatile)
- Up to 64MByte SDRam
- Aansluiting voor microSD Flash kaart
- 512 KByte Program memory (Flash)
- Single +5V power supply (ca. 100mA)
- External Memory Interface
- 70 x 90 x 6 mm
- CE marked: EN55022
- Evaluation/Development kit available, C/C++ programmable.



MCOMM-1000



MCOMM-1200

MCOMM-1200: Evaluation board features

- RJ45 Ethernet plug 10/100Mb
- GSM/GPRS modem with SIM card holder and antenna plug
- 2 RS232 ports
- 1 RS485 with loop-through for MODbus
- 5 Status LEDs, 1 push button
- Mini-USB connector

Applications

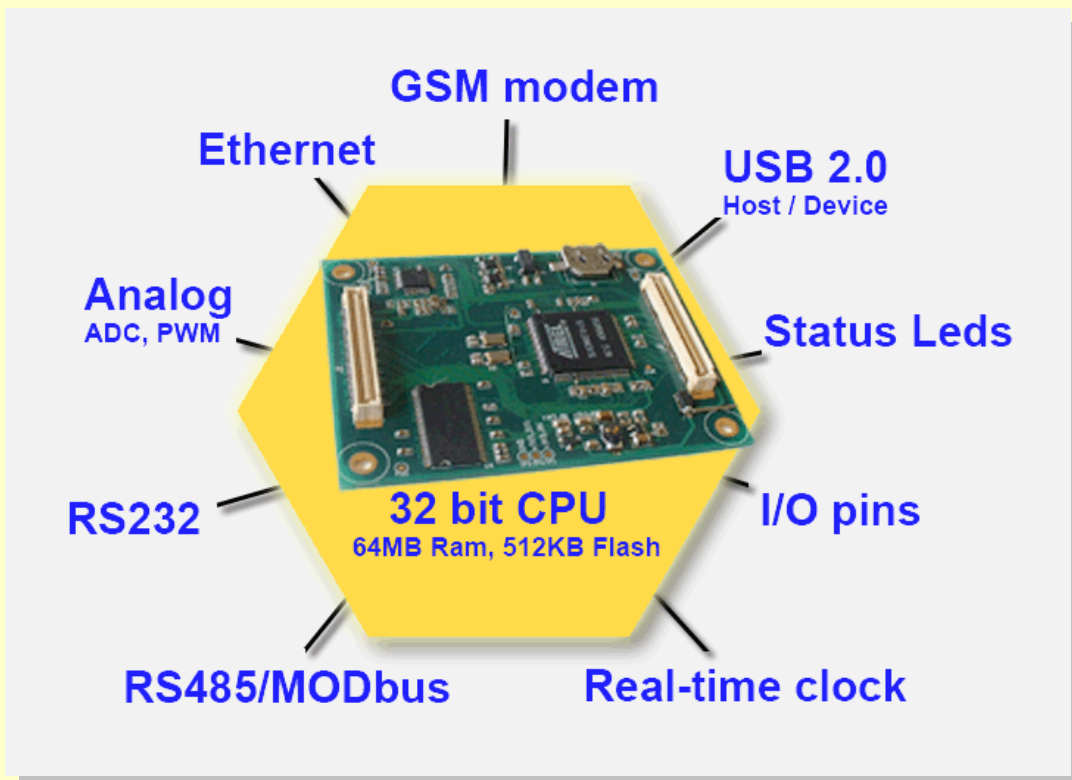
- Add Remote control/communication to existing equipment.
- Datalogging with SD-Flash card storage.
- Connect devices through the internet, either by GSM or ethernet connection.
- Powerful process control with extensive communication facilities.

Development

- Main board with many interfaces
- Main board customization possible
- Extensive interface software available
- Free C/C++ compiler set

Customization

- Medical ethernet isolation
- Dedicated USB host software
- Dedicated control interfaces
- Web server support



For information:

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Processor module: MCOMM-1000
Evaluation main board: MCOMM-1200

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Engineering Spirit is dedicated to electronics design and manufacturing of custom solutions. It can provide solutions at board level, system level, or at the complete equipment level. Embedded software or PC application software is designed in-house as well.