

# All Card



## Universal Card to manage:

- Network Systems RS485
- Hotels
- Security Systems
- Access Systems
- Independent systems controlled from a PC
- Industrial automation
- Street Management
- Testing
- Didactics

## Features:

- Programmable on C, C++, Assembler, Basic, Pascal, Forth
- Programmable through RS232 without external devices.
- Microcontroller Atmel ATmega128
- Auto Reset Fuse
- 4 digital inputs with led
- 4 digital/analog 0-10V 4-20mA 10bit input, with led if in digital mode
- 8 out relays 1A 120VAC / 24VDC on common mode, with led
- 2 out mosfets 2.5A with led
- 8 dips sw.
- Buzzer
- Power supply 10-15Vdc
- Measurement 143.5x107.5mm on plastic support for din support

## Connectors for:

- Chip card reader with autoeject
- RS485 to manage the network
- RS232/RS485/SerialTTL to communicate with a PC or magnetic card reader or thermal printing or modem GSM/telephony or telephone exchanges
- Display LCD alphanumeric and graphic.
- Bus I2C or Dallas UniqueWare
- ISP 10pin for micro programming with Atmel STK200-300 (kanda), STK500 or AVR-ISP
- JTAG for Atmel AVR-JTAG-ICE emulator (during the emulation it loses a digital analogical input and the two inputs for thermal probes of the optional module)

Note: The two serial connectors can manage only two peripheral among: net485, rs232/rs485, PC, printing, magnetic card, forms radio, etc.

## Optional modules:

- Keyboard 6 keys (arrows, ok, esc)
- EEPROM serial on board up to 128 Kbits or FLASH up to various Mbit.
- 2 analogical outs 0-10V or 4-20mA, 2 input for sensory of temperature NTC.
- Radio Module for the management of some forms basic I/O
- Remote Control

## Additional Software included in the delivery:

- Complete configuration, with an example program, for the management of the graphic display, with the graphic library GUI of the Ramtex. [www.ramtex.dk](http://www.ramtex.dk)
- Program Monitor through RS232, and associated program AllCardMonitor (you See more under).
- Library for the management of the Alphanumeric display.
- Library for the management of the RS232
- Library for the management of the keyboard.
- Boot Loaded for the programming true RS232

Analog Plug-In module



Text Display and keyboard



Emulator card JTAG and graphics display 240x128



display 240x64



## Monitoring program of the card through RS232

AllCard Monitor at the address 0

Input

AdcCh0 196

AdcCh1 205

AdcCh2 201

AdcCh3 205

AdcCh4 196

AdcCh5 191

AdcCh6 187

AdcCh7 182

In 0

In 1

In 2

In 3

In 4

In 5

In 6

In 7

Sx Up Dx Ok

Dw Esc

Output

Relè 1

Relè 2

Relè 3

Relè 4

Relè 5

Relè 6

Relè 7

Relè 8

Mos 1

Mos 2

Out Analog 1

Out Analog 2

State

Connection Ok

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