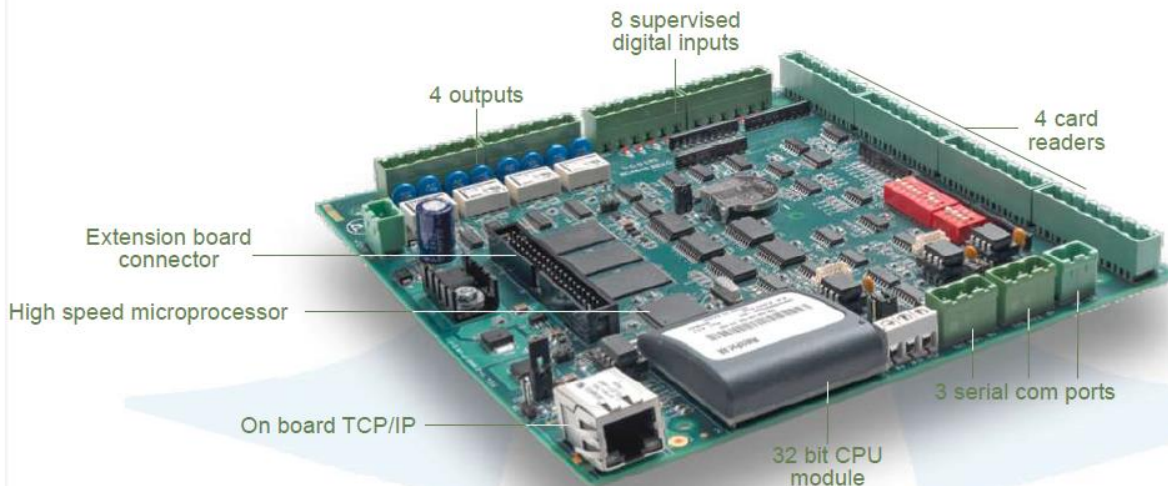





MEGA, access & alarm controllers for huge installations



								
up to 266,000	4	4	8/16	4/64	up to 399,000	2	ext board on-board (option)	2 (option)

Overview

The MEGA controller excels in extremely demanding security installations requiring very large databases.

The controller is especially suited when superior processing power and speed are critical to handle hundreds of thousands of card holders and events in memory.

Benefits

To better answer tenders requesting increasing capacities, the MEGA' 4 MB RAM can be dynamically allocated between cardholders and events buffer. In this way the MEGA controller easily handles capacities such as 266,000 cardholders or 399,000 events, and the research time of a card in memory is max 0.495 sec.

The high speed microcontroller allows firmware upgrade, while simultaneously allowing the MEGA controller to keep on working. Fast processing and simultaneous communication also allows handling of access transactions and alarm events at the same time.

The controller has 8 supervised inputs (4 states) and 4 outputs. The capacity can be extended to 16 inputs / 64 outputs. In addition there are 2 technical alarms for tamper, power supply failure and battery low.

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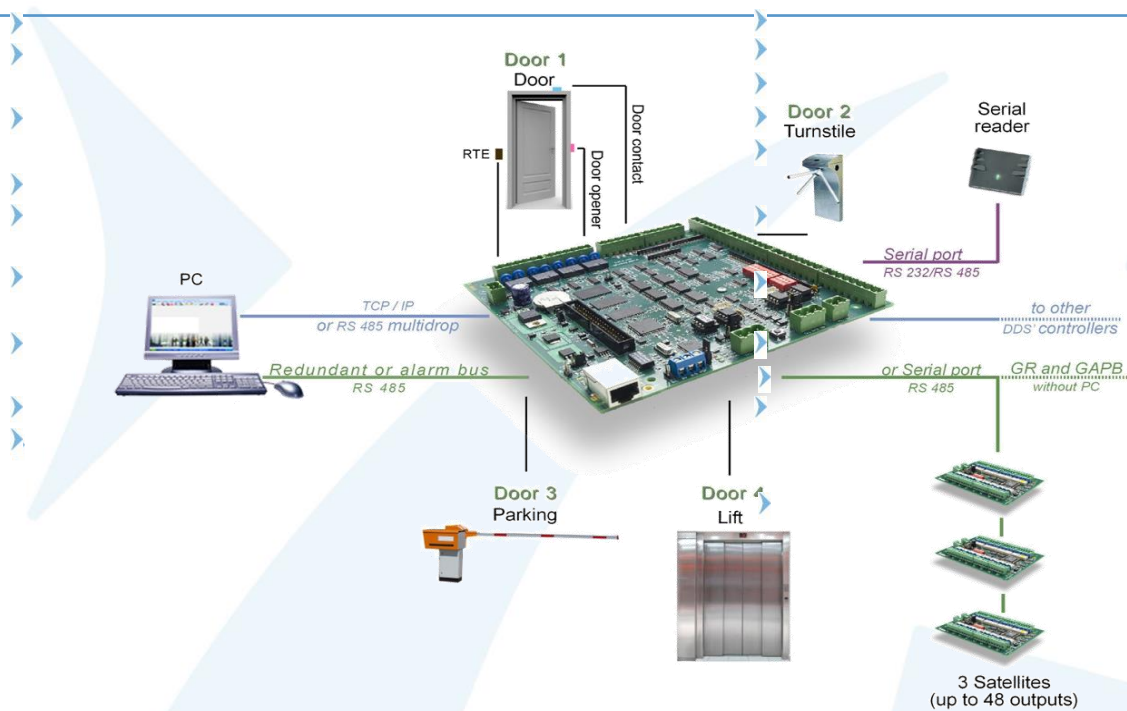
Communication channels are multiple:

- Serial RS232 or RS485 communication port
- Optional second RS485 communication bus – especially developed for redundant communication, alarm event mode, global reflex without PC, global APB without PC or satellites connection
- Third RS232 or RS485 serial port for specific applications, such as the connection to serial badge reader communication port
- TCP/IP on-board interface in option

Key features

- ▶ 4-reader/2-door or 4-reader/4-door
- ▶ 4 readers with sabotage detection, buzzer and LEDs
- ▶ 8 inputs (4 states) + 2 technical inputs for power supply failure and sabotage detection
- ▶ 4 outputs (with 3 outputs contacts)
- ▶ Up to 266,000 cardholders, with RAM dynamic allocation
- ▶ Up to 400,000 events in memory, with RAM dynamic allocation
- ▶ 2MB Flash memory for application firmware (downloaded from PC)
- ▶ 4MB RAM memory for database and events buffer
- ▶ 3 serial ports (two RS232/RS485 and one RS485)
- ▶ TCP on board (optional)
- ▶ Speed from 4,800 to 115,200 Bauds
- ▶ Improved removable connectors
- ▶ 255 daily programs
- ▶ Weekly programs: 127 access & 127 alarms
- ▶ 255 reflexes (local & network)
- ▶ Autonomous decisions at the local level without degradation
- ▶ Multi-technology: Biometric, Smart Card, Proximity, Magnetic, etc.
- ▶ Global reflex and APB without PC via the second bus of communication
- ▶ Programmable communication encryption

Architecture



Technical Specifications

Board dimension: 173 x 172 x 32 mm
Operating temperature: 0° C to +70° C
Storage temperature: -10° C to +85o C
Operational humidity: 0 to 95%

Board weight: 320g
Working voltage: 12 VDC +/- 20% 350mA
Input max voltage: +/- 30V
Approvals

