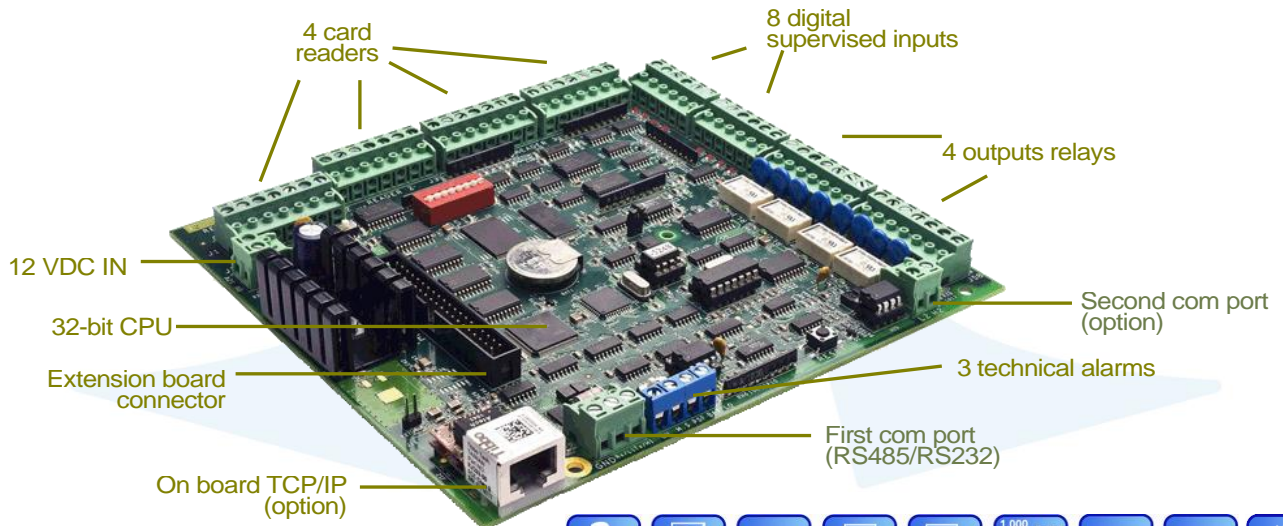











JET, access & alarm controller for all size



 Cardholder up to 163,000	 DOORS 4	 READERS 4	 INPUT 8/16 +3	 OUTPUT 4/64	 EVENTS up to 201,000	 BUS COM. 2	 TCP / IP on-board or extension board (options)	 Processor 2 (option)
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Overview

JET, DDS latest controller, has been developed to provide a high performance on-line access control and alarm monitoring solution for large installations in terms of number of cardholders and events in memory.

The JET is a 4-reader controller supervising the entries and exits at 2 doors or the entries at 4 doors.

Benefits

High capacities are reached according to the ROM and the dynamic allocation of the RAM between card holders and events buffer. This allows getting maximal capacities of 44,500 card holders (expandable to 163,000 cardholders with 2M of memory) and, depending on its configuration, it can store up to 47,000 events (expandable to 201,000 cardholders with 2M of memory).

The controller's 8I/4O (all inputs are supervised 4 states) can be extended to 16I/64O, with the addition of a plug in extension boards and three satellites. In addition there are three technical alarms for tamper, power supply failure and battery low.

Boosted system security is achieved through communication encryption and reinforced protection against lightning and short cut.

Communication channels are multiple:

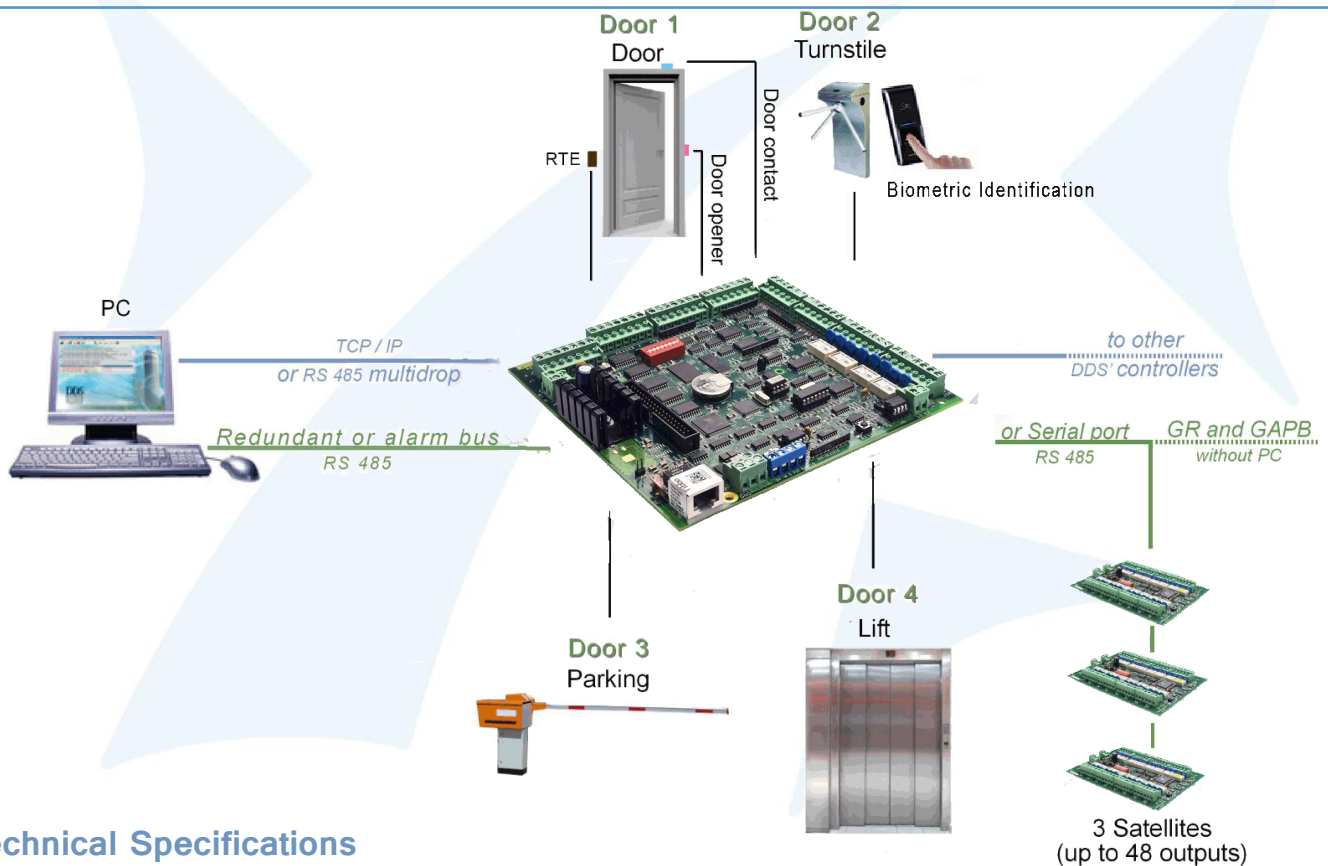
- Serial RS232 or RS485 communication port.
- Optional second RS485 communication bus, especially developed for redundant communication, alarm event mode, global reflex without PC, global APB without PC or satellite connection.
- Optional TCP/IP interface available on-board or from a plug in extension

The high speed CPU deals with all access control and alarm management tasks in high security installations that require very large databases. An optional 32 bits CPU can be installed to improve the controller speed.

Key features

- ▶ 4-reader/2-door (JET) or 4-reader/4-door (JET-D4)
- ▶ 8 supervised inputs, extendable to 16 inputs with an extension board
- ▶ 3 technical alarms for tamper, power supply failure and battery low
- ▶ 4 relays extendable to 64
- ▶ 512KB RAM (expandable to 2M)
- ▶ Up to 44K card holders for JET (163K with 2M)
Up to 32K card holders for JET-D4 (120K with 2M)
Up to 47K events in memory with RAM dynamic allocation (201K with 2M).
- ▶ 255 daily programs, 127 weekly programs
- ▶ 180 holidays and special days
- ▶ 255 reflexes (local & network)
- ▶ Speed from 4.800 to 38,400 Bauds
- ▶ 2 on-board serial ports (RS232 / RS485 and RS485 in option) with leds control
- ▶ RS232 / RS485 selector switch
- ▶ 2 extra pins to ease door openers installation
- ▶ Redundant bus
- ▶ Global reflex and APB without PC, via the second bus of communication
- ▶ Polling or event driven operation
- ▶ Programmable communication encryption
- ▶ TCP/IP on board or via extension board (options)
Autonomous decisions at the local level without degradation
- ▶ Multi-technology: biometric, smart card, proximity, magnetic, etc.
- ▶ Removable connectors
- ▶ High reliability in adverse environments

Example of Architecture



Technical Specifications

Board dimension: 175 x 160 x 20 or 32 mm
 Operating temperature: 0° C to +55° C
 Storage temperature: -10° to +65° C
 Operational humidity: 10 to 95% RH
 Board weight: 270g

Working voltage: 12 VDC +/- 20%
 Consumption without TCP/IP module : 150mA
 Consumption with TCP/IP module : 400mA
 Alarm input max voltage: +/- 30V
 Approvals

