

Atlas



PRODUCT:

Embedded RFID and F9000 Controller.

KEY POINTS:

The authorizations and credentials in the Iseo access control system are managed by the ATLAS controller, the real “heart” of the management system.

The ATLAS controller contains all the off-line and on-line devices and credential database and manages the credential creation, update and validation by mean of the STYLOS RFID card validators or of the F9000 key validators.

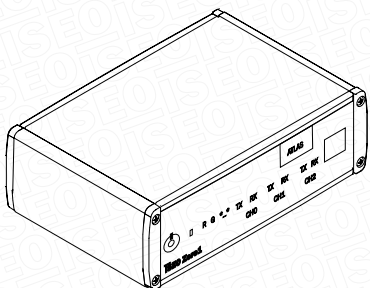
The ATLAS controller is connected to:

- the RFID validators/readers and actuators through the Lockbus connection;
- the F9000 validators through the RS485 connections;
- other ATLAS through an Ethernet connection.

In case ATLAS is used with SIRIO or ISEO Technology Partner VAR software, ATLAS is connected via web services with SOAP (Simple Object Access Protocol) over HTTP technology.

The ATLAS off-line controller, can be used to manage RFID offline devices, as Aries and Libra, or F9000 mechatronic cylinders.

Several ATLAS in Slave mode can be used in the same installation to manage more validators geographically distributed.



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TECHNICAL FEATURES:

Communication interfaces:

- 1 Ethernet interface
TCP/IP 10/100 base T
- 1 Lockbus channel
- 2 RS485 channels
- 2 USB channels
- 1 serial interface (debug)

Power supply:

- 12-24Vdc
- Maximum power consumption 15W

Backup batteries:

- 1500mAh battery pack
- estimated duration 30 minutes backup

CPU and memory:

Atlas Plus

- ARM 9 based CPU module
- 800MHz CPU clock
- 512MByte memory
- 8GB Micro-SD
- Real Time Clock

Atlas Standard

- ARM 5 based CPU module
- 200MHz CPU clock
- 256MB Flash memory
- 8GB Micro-SD
- Real Time Clock

Operating system:

- Linux (Kernel 2.6.28)

Signaling: 12 LEDs

- Power line active (green)
- Backup battery operating (yellow)
- Ethernet (orange)
- Tx/Rx channel 1 (2 orange)
- Tx/Rx channel 2 (2 orange)
- Tx/Rx channel 3 (2 orange)
- User 1 and 2 (red and green)

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MAIN FUNCTIONS:

- Embedded Linux server
- Ethernet TCP/IP 10/100 base T connection
- n. 1 Lockbus channel to connect Stylos readers and actuators (max 8+8)
- n. 2 RS485 channels to connect F9000 on-line readers (max 2)
- Compatible with Lockbus and RS485 readers and actuators
- n. 2 USB Host channels (+ 1 USB channel for configuration)
- n. 1 MicroSD slot
- Desktop housing
- Power supply 12-24Vdc
- Power supply 230Vac/12Vdc included
- Maximum Power Consumption 15 W
- Atlas Plus version as Master controller for installation with V364 software

OPTIONS AND VERSIONS:

- Atlas Plus version as Master controller.
- Atlas standard version as Slave controller.

TECHNICAL FEATURES:

Pushbutton:

- 1 reset, 1 wake-up, 1 switch-off

Housing:

- Desktop box
- Black color
- LxPxH 167x110x53 mm

Power Supply:

- Input 230Vac
- Output 12Vdc
- 2 poles plug

Environmental characteristics:

- Operating temperature:
0°C ÷ +50°C;
- Storage temperature:
-25°C ÷ +75°C.