Field Manager - FM III
Field manager for *XAtlas D* and *XAtlas E* systems

The Field Manager device allows distributing the intelligence of the access control system, ensuring the functionality of most advanced Independent Servers.

The Field Managers are intelligent multi-application units equipped with a stand-alone database that is updated online by the XAtlas software. The devices can automatically execute all the field processes relating to different applications such as access control, intrusion detection and time and attendance.

FEATURES

The **FM III** interfaces with the field devices (FD and FE) of the XAtlas server and:

- ✔ manages up to **2 RS485 BRANCHES** for the connection of FD devices;
- ✔ comes with an **ETHERNET 10/100 MBIT/S PORT** for communication with the XAtlas server in TCP/IP, optional POE;
- ✔ equipped with **STANDALONE DATABASE** that allows operation of a subsystem or an entire area with more than one gate, even in case of no server connection **(Independent Server);**
- ✔ manages **GATES, READERS AND SENSORS THAT CONTINUE TO OPERATE** even in case of:
  - failure or outage of one or more field devices;
  - failure, outage or non-reachability of the system server
  - interruption of a communication line;
- ✔ **AUTOMATICALLY ALIGNS THE DATABASE WITH THE SERVER** with information relating only to the site in which it operates;
- ✔ **COMMUNICATES WITH THE SERVER** of the system on which the XAtlas application is installed and in **TCP/IP VIA ETHERNET WITH ANOTHER FM** via peer-to-peer communication, thus guaranteeing global controls also in absence of a server (for example, global anti-passback, maximum time of permanence in an area, maximum/minimum number of people present);
- ✔ allows **MANAGEMENT OF INTELLIGENT TERMINALS SUPPORTED BY XATLAS** (X1, X2, AX DOOR, AX GATE ...) by implementing the most advanced local controls.

AXESS TMC

a brand of Zucchetti Axess S.p.A

ANTI-TAMPERING FUNCTION

The FM III is equipped with an Anti-Tampering function available in two modes:
- ✔ "tamper" input (terminals for a normally closed contact to be mounted, for example, on a cabinet door);
- ✔ sensor with integrated light to activate the alarm in the presence of light (when the case of the FM is opened).

POE (POWER OVER ETHERNET) FUNCTIONALITY AVAILABLE WITH OPTIONAL CARD

In prepared network systems, the FIELD MANAGER III can be powered via an **Ethernet cable (POE).**

TECHNICAL**SPECIFICATIONS**

CPU	ARM3505 CORTEX A8, 32bit, 600Mhz, 256MB Flash, 256 MB RAM
MEMORY	4GB removable SD In case of failure, simply insert the SD card into a new FM for immediate restart
OPERATING SYSTEM/OTHER SERVICES	Linux Encrypted database with proprietary encryption HTTPS protocol with pre-programmable encryption (AES 256, 3DES) with 256 bit keys. TLS authentication RS485 protocol: SPP with proprietary encryption
BATTERY	Internal battery for embedded RTC Battery for controlled automatic shutdown in the event of power loss Optional DIN 1.5 Ah rail battery (requires optional adapter POE)
COMMUNICATION PORTS	2 RS485 opto-isolated ports for connection and powering of the field devices 1 RS232 port on RJ45 connector for configuration 1 Ethernet 10/100Mbits port for connection to the XAtlas Server in HTTPS (TCP/IP) 2 USB host ports (1.0 and 2.0 compatible)
POWER SUPPLY	8÷14Vdc. Consumption: 350 / 500 / 1000mA@12Vdc (min / typical / max) With POE module inserted: can be powered via network cable - POE A&B On- Off button.
INTERFACING	5 bicolour LEDs (power, Ethernet, State, RS485 A Line, RS485 B Line)
PHYSICAL FEATURES	Casing: ABS for DIN bar (9 units), Dimensions: 156 x 85 x 57mm (H x W x D), Weight: 150 g