

MESH

create *wireless RS485 networks*



*Thanks to MESH,
our terminals and
controllers can
manage additional
readers and I/O
boards without any
cabling*

MESH is based on Mesh technology at 2.4 GHz that creates extremely **reliable wireless networks** thanks to the fact that each node works simultaneously as a RS485 module master and a signal repeater for other MESH by relaunching the signal.

This type of architecture creates an extremely flexible, strong network, as each node is connected to many other nodes.

With MESH the central building's terminal can also control the vehicle gate's readers and I/O in the car park without physical connections but also using wireless.

A Mesh network comprises:

- At least **one gateway device connected** to the RS485 network master.
- **One or more remote nodes** that the RS485 slave modules are connected to (readers, keyboards, I/O modules) that can be controlled by the master, avoiding physical cable connection.

The advantages of a mesh network:

- **Highly reliable**
- **Adaptable and resistant**
- **No cabling required**
- **Easy to install**

Mesh allows **wireless connection** of FD devices (FD-NeoMAX, FD-RFID5, FD-RFID4, FD-RALL...) to the RS485 SPP master device (AXGATE, AXDOOR, XIO, X3, SuperTRAX Light, SuperGLASS, FM III...).

Mesh can be configured as a node that acts as an SPP Master (the one that FDs are connected to) or SPP Slave GATEWAY (the one connected to the SPP master).

Expandable: Wireless Mesh can be expanded to your needs. Just add an extra node.

MESH makes the great modularity of our devices even more user-friendly: create your hardware solution by choosing from the large range of Zucchetti Axess terminals and readers without worrying about cabling.

TECHNICAL FEATURES

PHYSICAL FEATURES	<ul style="list-style-type: none"> • Case: plastic • Dimensions: 8x2x4 cm • Weight: 40 gr
INPUT/OUTPUT DISPOSALS	Button to select operating mode (master/gateway) – 8 dip switch for configuration (SPP address and MESH network address) – Power supply – RS485 – 4 leds
POWER SUPPLY	From 5 to 14 volts, 100mA max
HARDWARE FEATURES	<ul style="list-style-type: none"> • Radio communication at 2,4 Ghz with MESH protocol • Proprietary SPP protocol on RS485 network