



Wireless BACnet/MODBUS B.M.S. MESH Thermostats network



The wireless thermostats network is a time and money saver, allowing the contractor and installer to avoid all wiring and network troubleshooting by using a simple and easy-to-use interface on any mobile phone or tablet.

All thermostats are equipped with **a built-in wireless 2.4GHz module.**

Both the installation and the user interface are similar to those of a standard thermostat.

The wiring to the HVAC system is similar to standard connections; however, **there is no network wiring.**

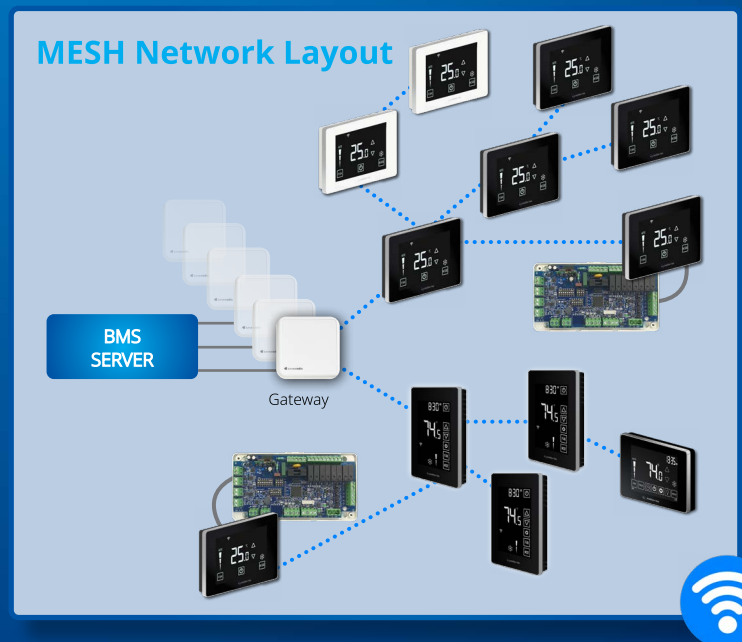
All thermostats are wirelessly connected to a single gateway, which is wired to the Building Management System (B.M.S.).

The MTSC/SUPER/LR models replace the MODBUS RTU cable with a wireless MODBUS connection.

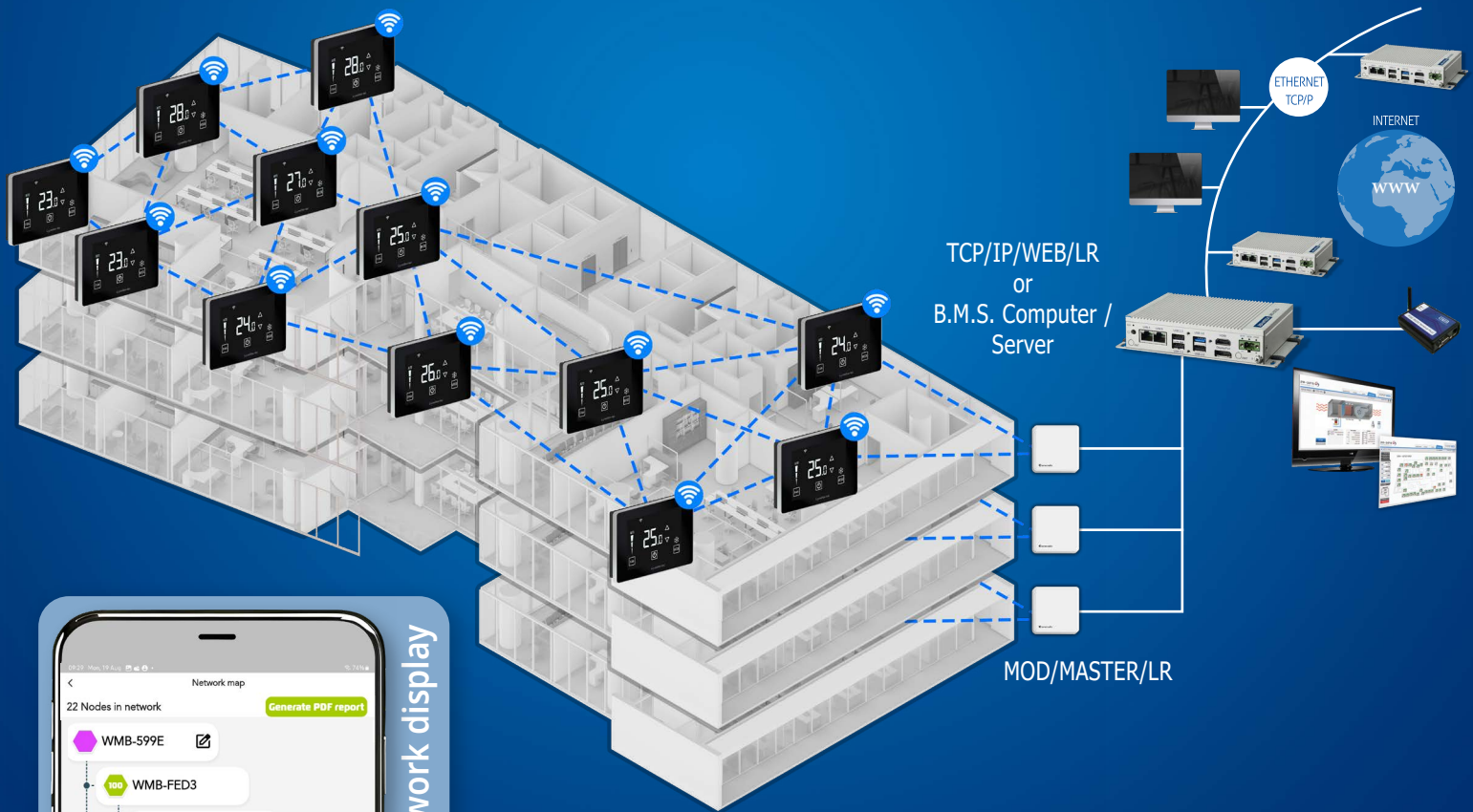
The wireless network is **encrypted with AES128** and is secure in terms of cybersecurity.

A MESH network consists of a single "gateway" wirelessly connected to the thermostats. The gateway itself is connected to the server/router with RS485 wires.

The wireless network is **self-optimizing** and will consistently identify the most efficient route for seamless communication.



Building with floors and main BMS computer/center layout



Mobile App interface for Network display



P/N	Description
1	MTSC/SUPER/LR Thermostat with MESH Wireless interface
2	MTSCV/SUPER/LR Thermostat with MESH Wireless interface - Vertical
3	MTSC/SUPER/HU/LR Thermostat with MESH Wireless interface + Humidity sensor
4	MTS/C500/LR Panel (room module) for MIGA/C or CTU controller with MESH Wireless interface
5	Gateway/LR Gateway

- All models available either at 110-240VAC (line voltage) or 24VAC versions. For 24VAC models, "24" is added to the P/N
- White frame versions are available for all models