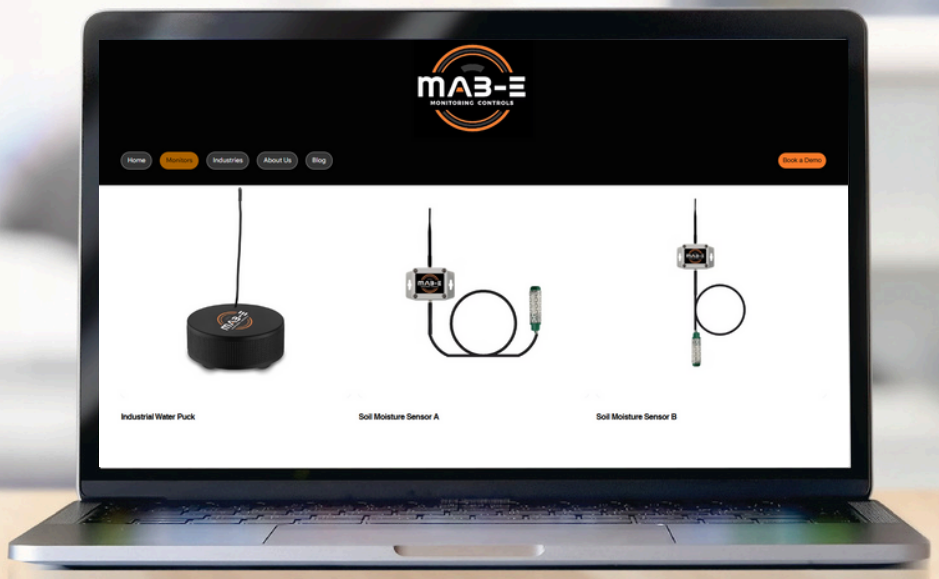
Gateways

2025 Product Catalog

MAB-E
MONITORING CONTROLS

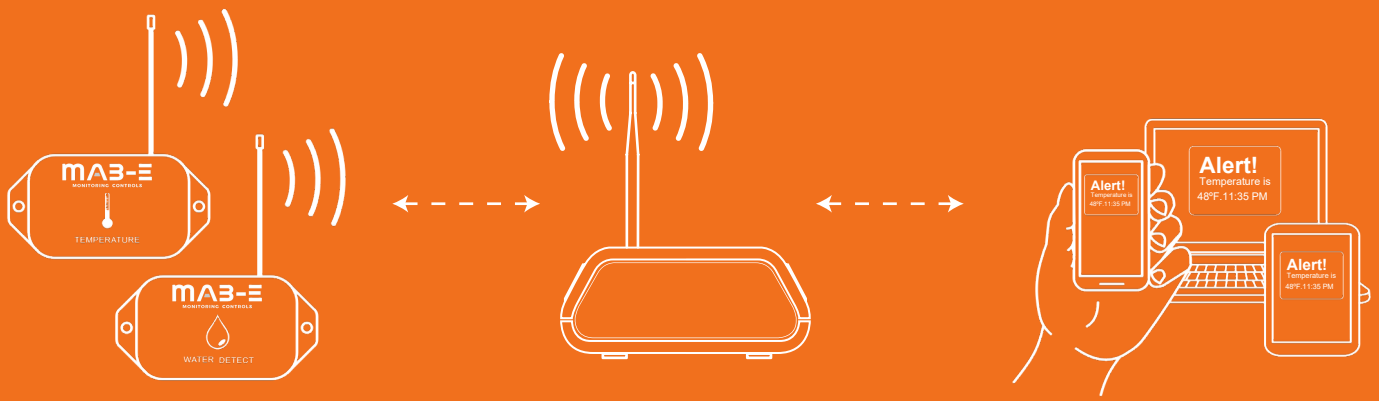
About MAB-E



At MAB-E, we believe that control monitoring isn't just about technology-it's about finding solutions at a low cost, by using wireless monitoring solutions integrated with existing building automation.

Founded by Michael Milam, our mission is to provide businesses and organizations with reliable, real-time control monitoring solutions that keep operations running smoothly and efficiently.

HOW IT WORKS



80+ Sensors

Monitor Important Conditions.

Wireless Gateways

Relay Data to Software.

Software Choices

Get Remote Access to Dashboards / Alerts.

Gateways

For more information about MAB-E products or to place an order, please contact our sales department at Michael@mab-e.com. Visit MAB-E on the web at www.mab-e.com.

4G LTE Cellular Gateways

4G LTE Industrial Cellular Gateway

MAB-E 4G LTE Cellular Gateways are based on a 4G LTE CAT-M1/NB1 wireless engine and integrates MAB-E's wireless access point network (WAN) for use with MAB-E Wireless Sensors. These gateways allow the sensors to operate on the world's leading cellular networks.

To meet the global demand for enterprise IoT deployment. The 4G LTE Gateway offers best-in-class security, connectivity, and reliability. MAB-E cellular gateways communicate with the MAB-E (cloud or on-premise) monitoring software via cellular transmission, making them ideal for remote locations or where the internet is not available. The system aggregates sensor information and sends notifications via text, email, or call if user-defined conditions are met or exceeded.

Part Number

MNG2-9-LTE-IN-ND

4G LTE Commercial Cellular Gateway

MAB-E 4G LTE Cellular Gateways are based on a 4G LTE CAT-M1/NB1 wireless engine and integrates MAB-E's wireless access point network (WAN) for use with MAB-E Wireless Sensors. These gateways allow the sensors to operate on the world's leading cellular networks.

To meet the global demand for enterprise IoT deployment. The 4G LTE Gateway offers best-in-class security, connectivity, and reliability. MAB-E cellular gateways communicate with the MAB-E (cloud or on-premise) monitoring software via cellular transmission, making them ideal for remote locations or where the internet is not available. The system aggregates sensor information and sends notifications via text, email, or call if user-defined conditions are met or exceeded.

Part Number

MNG2-9-LTE-CCE-ND

3G Cellular Gateways

3G Industrial Cellular Gateway

MAB-E Domestic 3G Cellular Gateways (for use in USA, Canada and Mexico) are based on a 3G (GSM HSPA+) wireless engine and comes integrated with MAB-E's wireless access point network (WAN) for use with all MAB-E Wireless Sensors. These gateways allow the sensors to operate on the world's leading cellular networks.

MAB-E cellular gateways communicate with the MAB-E (cloud or on-premise) monitoring software via cellular transmission, making them ideal for remote locations or where the internet is not available. The system aggregates sensor information and sends notifications via text, email, or call if user-defined conditions are met or exceeded.

Part Number

MNG2-9-3C3N-IN

3G Commercial Cellular Gateway

MAB-E Domestic 3G Cellular Gateways (for use in USA, Canada and Mexico) are based on a 3G (GSM HSPA+) wireless engine and comes integrated with MAB-E's wireless access point network (WAN) for use with all MAB-E Wireless Sensors. These gateways allow the sensors to operate on the world's leading cellular networks.

MAB-E cellular gateways communicate with the MAB-E (cloud or on-premise) monitoring software via cellular transmission, making them ideal for remote locations or where the internet is not available. The system aggregates sensor information and sends notifications via text, email, or call if user-defined conditions are met or exceeded.

Part Number

MNG2-9-3C3N-SC

International Gateways

3G International Gateway

The MAB-E International 3G Cellular Gateway are based on a 3G (UMTS/GSM) wireless engine and comes integrated with MAB-E's wireless access point network (WAN) for use with all MAB-E Wireless Sensors. These gateways allow the sensors to operate on the world's leading cellular networks.

MAB-E cellular gateways communicate with the MAB-E (cloud or on-premise) monitoring software via cellular transmission, making them ideal for remote locations or where the internet is not available. The system aggregates sensor information and sends notifications via text, email, or call if user-defined conditions are met or exceeded.

Part Number

MNG2-9-3C3I-SC

2G International Gateway

The MAB-E International 2G Cellular Gateway is based on a 2G (GSM) wireless engine and comes integrated with MAB-E's wireless access point network (WAN) for use with all MAB-E Wireless Sensors. These gateways allow the sensors to operate on the world's leading cellular networks. (User is responsible for setting up data plan with a compatible wireless carrier.)

MAB-E cellular gateways communicate with the MAB-E (cloud or on-premise) monitoring software via cellular transmission, making them ideal for remote locations or where the internet is not available. The system aggregates sensor information and sends notifications via text, email, or call if user-defined conditions are met or exceeded.

Part Number

MNG-9-3C2I-SC

Ethernet Gateways

Ethernet Gateway 4

MAB-E's Ethernet Gateway allows your MAB-E Wireless Sensors to communicate with the MAB-E Online Wireless Sensor Monitoring and Notification System without the need for a PC. Simply provide power and plug the gateway into an open Ethernet network port with an internet connection.

It will then automatically connect with our online servers, providing the perfect solution for commercial locations where there is an active internet connection.

The Power-Over-Ethernet option features modified gateway hardware allowing it to be powered through the Ethernet port. Does not include PoE Power Injector.

Part Number
MNG2-9-EGW-CCE

Advanced EDGE Gateway

Advanced EDGE Gateway

The Advanced EDGE Gateway aggregates data from feature-rich MAB-E Wireless Sensors to mainstream cloud providers, such as Amazon AWS, Google Cloud Platform, Microsoft Azure, or IBM Watson. Coupling the prominent MQTTS protocol and the IoT's broadest sensor range, MAB-E's Edge Gateway fulfills a key IoT mission of making deployments more agile and productive.

The Edge Gateway features a step-by-step guided, multilingual web interface for configuring and managing MAB-E Wireless Sensors, as well as designating MQTT brokers. As the Ethernet-based gateway receives sensor data, the gateway "fingerprints" the data with a cryptographic validation stamp. This authenticated data is then transmitted to a cloud broker (or multiple brokers), where it arrives in a standard format. The Edge Gateway's integrated macros enable data configuration in virtually any format, such as JSON or XML, making it a powerful tool for data analysis and action.

Part Number
MNG2-9-EDG-CCE

Modbus

SerialModbus Gateway

The MAB-E Serial MODBUS Gateway (SMG) acts as a data concentrator for MAB-E's long range wireless sensor networks. This device allows you to connect up to 50 wireless sensing devices, per gateway, to your existing serial MODBUS RS-232C and RS-485 sensing and control infrastructures.

MAB-E has recognized the importance of using open standards like Modbus, allowing MAB-E wireless sensors to be used in the majority of industrial applications.

Modbus is often used to connect a supervisory computer with a remote terminal unit (RTU) in supervisory control and data acquisition (SCADA) systems. Modbus allows for communication between many (approximately 247) devices connected to the same wired network. Therefore, MAB-E SMG's allows for seemingly unlimited wireless expansion to a traditional wired network.

Part Number
MNG2-9-SG-SMG

Sensor Adaptor

Wireless Sensor Adaptor

The MAB-E Wireless Sensor Adapter enables MAB-E Wireless Sensors to communicate with your local or online wireless sensor monitoring system by connecting to a PC or third-party IoT gateways via USB connection.

Plug into a PC

If an on-site PC has an active Internet connection, it's simple to connect with MAB-E Sensor Configuration and Management Software online and install the free MAB-E Gateway application. This combination allows you to pass sensor data to the online system.

With the online MAB-E software, you can easily configure your network, view collected sensor data, and set alarms through SMS or e-mail, all from any web-enabled browser. The system allows for complete configuration and customization at a sensor, local network, or client-wide level.

The MAB-E wireless sensor adapter is specifically designed to respond to the increasing market need for global technology that accommodates several vertical M2M application segments and remote wireless sensor management solutions.

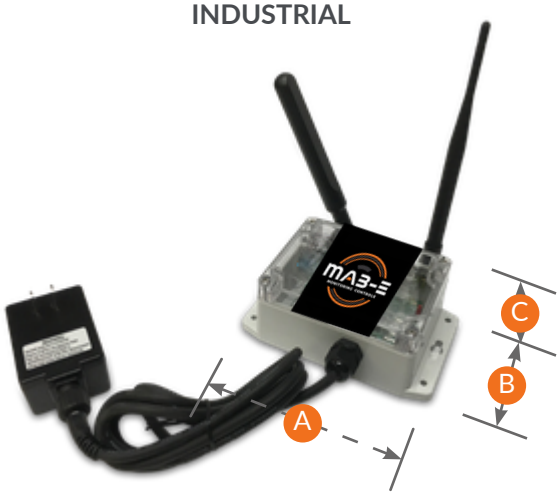
Part Number
MNG2-9-WSA-USB

MAB-E Gateway Sizes

COMMERCIAL

A: 3.8 inches / 96.52 mm
B: 5.004 inches / 127.10 mm
C: .1.51 inches / 38.35 mm

INDUSTRIAL



A: 5.7 inches / 144.78 mm
B: 3.54 inches / 89.91 mm
C: 2.14 inches / 54.35 mm

Dimensions for standard housing sizes.
For gateways in non-typical housings, please refer to their data sheets.

MAB-E
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