



ADDRESSABLE GATEWAY INTERFACE

GWAN-100-01

The ETAMMN Gateway connects Addressable fire alarm panels and the whole field devices to the cloud, enabling real-time event reporting and remote control. It transmits critical events, such as fire, fault, and online/offline status.

The gateway communicates with the cloud through EG-TEK's proprietary, secure, and adaptive protocol suite utilizing industry-standard, safety-focused transmission methods and encrypted, mission-critical mechanisms to ensure real-time reliability and data integrity.

The system allows authorized users to trigger remote commands, such as reset, silence, or evacuate from mobile devices or PC desktops via the cloud, while ensuring seamless and secure data sharing between end users, maintenance teams, civil defense authorities, and control rooms through the ETAMMN platform.



KEY FEATURES AND BENEFITS

- 24/7 Connectivity directly to the EG-TEK cloud.
- Secure cloud connectivity.
- Data encryption and access control.
- Support for various fire control panels.
- Real-time Communication to cloud via dedicated protocols.
- Real-time fire and fault alerts reduce response times, via Mobile-App, Email, and SMS.
- Identifying faults quickly and provides reliable information.
- OTA firmware update.
- Secure Firmware built with C++.
- ETAMMN Platform Compatibility.
- Mobile application compatibility for end user's easy monitoring and accessibility to the system (iOS and Android).
- Language option availability (Arabic, English and other languages) that you can customize.
- Secure data sharing with facility managers, maintenance teams, civil defense, and control rooms.
- Allows remote commands (e.g., silence alarms, reset systems).
- Search, filter, sort and generate reports.
- Customization of notification alert.

TECHNICAL SPECIFICATIONS:

POWER

Power Supply: 9Vdc – 28Vdc from fire alarm control panel (FACP-recommended) or external power supply unit. (Min 5W)

Power Consumption: 400 mA – 650 mA

INPUT / OUTPUT

Input:

- 80 inputs (Digital Input), can be configure through built-in web-portal, using mobile or laptop.
- All inputs with through additional expansion cards.

ENVIRONMENTAL:

Operating Temperature:

- 0°C to +70°C (Commercial version)
- -40°C to +85°C (Industrial version)

Relative Humidity:

- 1% to 96% (non-condensing)

CONNECTIVITY

Ethernet: Gigabit Ethernet

- Capable of transmission rate up to 1Gbps.
- Compliant with IEEE802.3ab, 802.3u, 802.3, 802.3 RGMII.
- Loop-back modes.
- Auto-negotiation.
- Automatic polarity detection and correction

Wi-Fi Bridge: (Optional)

- Fast Wi-Fi bridge connection.
- Configure through built-in web-portal.

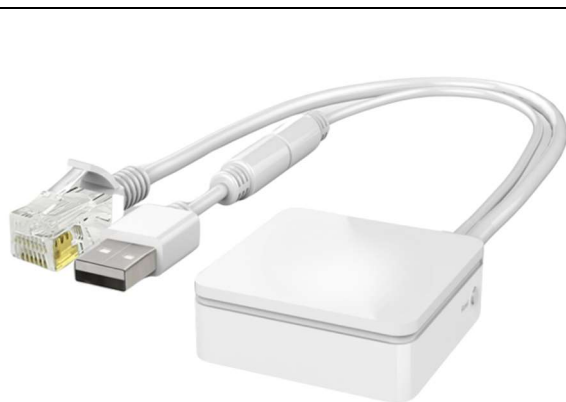
Radio path: (Optional)

- 3G/4G/5G/LTE (Optional).

I/O INTERFACES:

- RS485, RS232, CAN, USB.
- Dedicated attached board to each fire panel.
- Different Models based on fire panel manufacturer.

ACCESSORIES:



Wi-Fi Bridger (Optional)

- 300Mbps rate of transfer.
- DC5-15V power supply.
- Low power 2.5W.
- TAFC technology.
- Configure through built-in web-portal.
- Plug & Play with minimal configuration.
- Wi-Fi bridge/repeater/router 3-in-1.