

CONVENTIONAL GATEWAY INTERFACE

GWCN-0402-01

The ETAMMN Gateway connects conventional fire alarm panels 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.

Regulator Output Current: Max 2A

Power Consumption: 40 mA – 200 mA

Relay Ratings: 2x relays:
10A/250VAC, 15A/120VAC,
15A/24VDC.

Input / Output

Input:

- 4 inputs (2 Supervised, 2 Digital), can be configure through built-in web-portal, using mobile or laptop, as follow:
- 1 Alarm (For Fire Events)
- 3 Alarm/Fault (Can be configure fire or fault events).
- Can be configure to be Latching / or Non-Latching.

Output:

- 2 relays (mechanical relays)
- 2 remote control commands (Can be configure as a Reset/Silent/Evacuate or other command).

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

Wi-Fi:

- Wi-Fi built-in chip
- Configure through built-in web-portal.
- Antenna (on-board antenna version)
- Antenna (External antenna version)

Ethernet:

- RMII 10/100 Ethernet Transceiver / High-Performance
- Compliant with IEEE802.3/802.3u (Fast Ethernet)
- Compliant with ISO 802-3/IEEE 802.3 (10BASE-T)
- Loop-back modes
- Auto-negotiation
- Automatic polarity detection and correction
- Supports both MII (IEEE 802.3u) and RMII interfaces

Radio path:

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

I/O Interfaces:

- RS485, RS232, CAN, USB.