



TECHWIN ETHERNET GATEWAY

Advanced IOT Controller

Bringing Seamless Connectivity
and Control to Your System



About Ethernet Gateway

Our Ethernet Gateway is engineered to integrate seamlessly into your industrial or commercial automation system, offering robust connectivity, reliable communication, and versatile functionality.

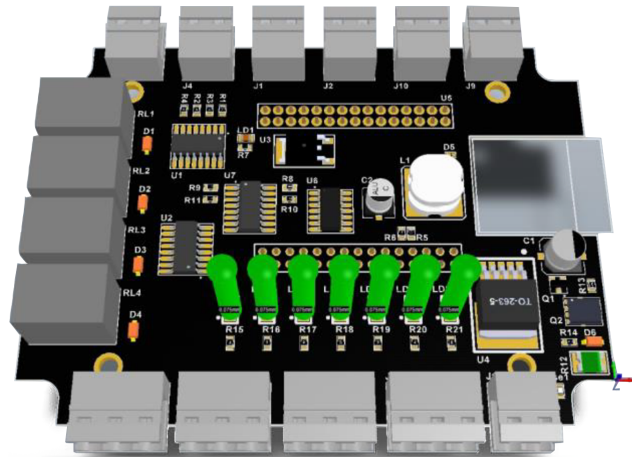
Communicates with third-party software. It can send real-time events based on port status changes or receive commands directly via a secure and proprietary protocol.

Why Choose Our Ethernet Gateway?

Our controller embodies:

RELIABILITY • VERSATILITY • SCALABILITY

Whether powering automation systems or supporting access control, it's the trusted choice for professionals demanding **performance** and **innovation**.





Key features

DIGITAL INPUTS

Non-polarized design ensures simplified wiring and universal compatibility.

DIGITAL OUTPUTS

Solid-state relay technology delivers dependable and long-lasting operation.

WIEGAND PORTS

Includes both Wiegand in and Wiegand out ports for secure data transmission in access control systems.

SERIAL COMMUNICATION

Equipped with RS232 and RS485 ports for flexible device communication.

ETHERNET CONNECTIVITY

Supports TCP/IP communication, enabling integration with third-party software for command reception and event reporting.

PROPRIETARY COMMUNICATION PROTOCOL

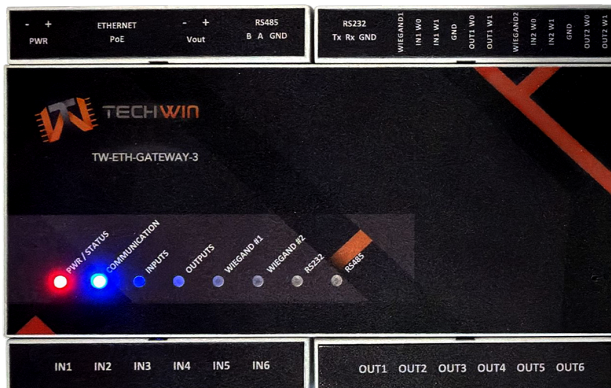
Ensures high-speed and secure data exchange tailored to your needs.

POWER SUPPLY OPTIONS

Operates with wide voltage input range (11–57 VDC) or PoE (Power over Ethernet), providing installation flexibility.

MOUNTING DESIGN

DIN rail mounting for quick installation and a compact footprint.



Use cases

Building Automation
Access Control Systems
Industrial Monitoring
Smart Manufacturing



Technical specifications

ELECTRICAL

Input power: 11 – 57 VDC (1.5A max.)

POE (802.3af)

Power supply not included

COMMUNICATION

1 10/100 RJ45 female port

INTERFACE

DIGITAL INPUTS

6 non-polarized (3 – 32 VDC)

DIGITAL OUTPUTS

6 solid state relays with
(60 VDC max., 1.3 A max.)

WIEGAND INPUTS

2 Wiegand input port

WIEGAND OUTPUTS

2 Wiegand output port

RS232

1 RS232 port

RS485

1 RS485 port

MECHANICAL

DIMENSIONS

142 x 110 x 33 mm (5.59 x 4.33 x 1.30 in)

MOUNTING

Din rail mounting

CONNECTORS

Detachable connectors

DIMENSIONS

142 x 110 x 33 mm (5.59 x 4.33 x 1.30 in)

SIGNALING

Led for power, status, communication, Digital Input change, Digital Output change, Wiegand activity, RS232 activity, RS485 activity

Ordering information

TW-ETH-GATEWAY-3



GET IN TOUCH

 (+351) 214 792 068

 WWW.TECHWIN.SYSTEMS

 ORDER@TECHWIN.SYSTEMS

 SUPPORT@TECHWIN.SYSTEMS

©2026 TechWin - Other names or logos mentioned herein may be the trademarks of their respective owners. The absence of the symbols TM and © in proximity to each trademark in this document or at all is not a disclaimer of ownership of the related trademark. Unless stated explicitly and in writing, no license is granted with respect to any copyright, industrial design, trademark, patent or other intellectual property rights of TechWin.