

TR-100 Series

Industrial Router

The TR-100 series industrial router is a streamlined industrial communication router launched by Tespro, designed specifically for scenarios involving basic IoT access, industrial device networking, and building automation.

The TR-100 series supports 2G, 3G, 4G, and 5G wireless communication, and features one WAN port and one LAN port to facilitate both upstream network access and local device connectivity. Depending on project requirements, the device can be configured with RS485, RS232, or CAN field communication interfaces. It supports mainstream protocols such as Modbus, BACNet/IP, and BACNet/MSTP, thereby meeting application needs for field device access, data acquisition, and platform data uploading.



Reliable Connectivity



Industrial Grade Design



Network Communication



Easy Deployment

APPLICATION TOPOLOGY



Tespro Electronics Co., Ltd.

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We have offices in multiple countries: China, US, UK, AUS, HK. If you encounter an agent, please contact us first to confirm.

FEATURES



Powerful Performance

Industrial-grade CPU for stable and real-time data processing.



Multiple Interfaces

Rich wired and wireless connectivity options for flexible deployment.



Industrial Design

Rugged, compact and durable for harsh industrial environments.



Wide Connectivity

Supports 5G/4G/3G/2G, Wi-Fi and BLE for seamless communication.



Easy Integration

Seamless integration with cloud platforms and various industrial systems.



Secure & Reliable

Built-in security features to ensure network and data safety.



APPLICATIONS SCENARIOS



Smart Water



Smart Electricity



Smart Gas



Smart Heat



Environmental Monitoring



Industrial Control

Power Supply	12~36V DC	Wireless / Bands	2G / 3G / 4G / 5G
Indicators	Power / Network / Communication / WiFi	Network Protocols	TCP / UDP / MQTT
Reference Size	41 × 95 × 103 mm	Protocols	Modbus / BACNet/IP / BACNet/MSTP
Serial Ports	RS485 / RS232 / CAN (Optional)	Work Modes	TCP client, UDP client, MQTT client
Baud Rate	300~115200 bps	Functions	SSL encryption, MQTT transparent transmission, TCP transparent transmission, UDP transparent transmission
SIM Card	External SIM, standard card	Environmental	Operating temp ~-40 to +75°C; storage temp ~-20 to +80°C; humidity 10%~95% non-condensing
Antennas	1 × 4G SMA external antenna, 1 × WiFi SMA external antenna	Protection	reverse connection protection, overcurrent / surge protection, lightning protection
Interfaces	1 × WAN, 1 × LAN, DC power socket, reload button		



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