# Industrial Data Acquisition Terminal

## EIoT-ET 、EDGE-A/R  Industrial Gateway and Router Series

The Yike Industrial Gateway series products are launched by Yike Company for the Industrial Internet, a gateway product equipped with 4G, 5G, WiFi functions, and edge computing capabilities in the IoT field.

Supports various networking methods, enabling network access, protocol parsing, and data interoperability for industrial Internet applications. Possesses strong data processing and application expansion capabilities, with features such as edge computing capability expansion, data transmission security, and wireless network management and coverage services, meeting the typical industrial Internet edge layer requirements for connecting on-site machinery and equipment and data aggregation, facilitating the implementation of collaborative innovation applications in the 'edge-cloud' environment.

This product comes with management software that enables the management and configuration of the edge gateway. It supports viewing the system operating status; it is equipped with a default network firewall and supports NAT and port mapping. The use of TLS encryption technology for communication data effectively enhances the security and stability of data transmission; additionally, the product is equipped with embedded software and hardware watchdogs to ensure stable operation of the device.

## 01 Product Features

- Adopts industry-leading processors, with powerful edge computing capabilities, data transmission, and network coverage management capabilities;

- Supports communication methods such as 5G, 4G, and WiFi, Meets the majority of usage scenarios in industrial sites;

- Equipped with multiple Gigabit Ethernet ports to achieve industrial router functionality;

- Supports maximum external TF card expansion storage, increasing on-site data storage capacity;

- Optional BLE and Beidou/GPS positioning functions;

- Supports 1 RS485 and 1 RS232 interface;

- Supports mainstream PLC docking control, including Siemens, Mitsubishi, Omron, Rockwell, etc.;

- Supports various industrial real-time Ethernet protocols such as Modbus, Modbus TCP, andOPC UA;

- Supports VPN functionality, TLS wireless data transmission encryption technology, and SNMP protocol;

- Features a rich configuration management page for easy viewing, configuring, and controlling of the edge gateway and connected peripheral devices;

- Supports secondary development based on Python language, facilitating function development and expansion;

## 02 Product Parameters

| Industrial Router (Compatible with CPE) | | | |
|---|---|---|---|
| **Hardware Platform** | | | |
| IoT Model | EIoT-ET05 | EIoT-ET15 | EIoT-GW802 |
| Industrial Internet Model | EDGE-R5802-SF4 EDGE-R5802AL-SF4 (Custom Antenna) | EDGE-R5800-SF4 | — |
| CPU | 880 MHz Durl Core | | — |
| Memory | 256M DDR2 | | — |
| Flash | 32M Flash | | — |
| **Interface** | | | |
| Ethernet | 5 x WAN/LAN | | 2 x WAN/LAN |
| | 10/100/1000Mbps RJ45 | | |
| Serial Port | RS-232 x1, 3-wire terminal interface, baud rate 2400~115200bps, ESD 15KV | | |
| | RS-485 x1, 3-wire terminal interface, baud rate 2400~115200bps, ESD 15KV | | |
| SIM Card | 1 x Standard SIM Card | | |
| Reset Function | Pinhole Reset Button | | |
| Storage Expansion | 1 x TF Card Slot, Maximum 128GB | | — |
| Antenna (Number of SMA) | 5 | 4 | 2 |
| **Wireless** | | | |
| WIFI | ● | — | ● |
| 5G | ● | ● | — |
| 4G | ● | ● | ● |
| **Mechanical** | | | |
| Installation Method | Wall Mount / DIN Rail | | |
| Enclosure | Sheet Metal Enclosure | | |
| Heat Dissipation | Natural Air Cooling | | |
| IP Protection Level | IP20 | | |
| **Device Power Supply** | | | |
| Power Input | DC 10-30V (Typical Power DC24V/2A) | | |
| Power Interface | Pluggable Terminal Block | | |
| Power Protection | Overcurrent Protection, Short Circuit Protection, Reverse Polarity Protection | | |
| **Operating Environment** | | | |
| Operating Temperature | -30 ~ 60 ℃ | | |
| Storage Temperature | -40 ~ 85 ℃ | | |
| Environmental Humidity | 5~95% RH @ 40 ℃ / 104 ℉ No Condensation | | |
| **Indicator Light** | | | |
| LED | SYS, PWR, WiFi, 4G/5G, 485, 232，SIGNAL | | |

| Industrial Gateway Series | | | |
|---|---|---|---|
| **Hardware Platform** | | | |
| A4 Series | EDGE-A405-010800L | EDGE-A412-010800L | EDGE-A404-010800L |
| A5 Series (PLC Data Acquisition) | EDGE-A55G-013800L | EDGE-A55G-013802L | EDGE-A54G-000800L |
| Memory | 1G RAM | | |
| Flash | 8GB eMMC | | |
| **Interface** | | | |
| Ethernet | 1xWAN, 1xLAN 10/100/1000Mbps RJ45 | | |
| Serial Port | RS-232 x1, DB9 terminal interface, baud rate 2400~115200 bps, ESD 15KV | | |
| | RS-485 x1, 3-wire terminal interface, baud rate 2400~115200bps, ESD 15KV | | |
| Configuration | RJ45 - LAN 1, RS-232 | | |
| SIM Card | 1 x Standard SIM Card | | |
| Reset Function | Pinhole Reset Button | | |
| Storage Expansion | 1 x TF Card Slot, maximum 64GB | | |
| Antenna (Number of SMA) | 4 | 5 | 1 |
| **Wireless** | | | |
| 5G | ● | ● | N/A |
| LTE（4G） | N/A | N/A | ● |
| WIFI | N/A | N/A | N/A |
| GPS | N/A | N/A | N/A |
| **Mechanical** | | | |
| Installation Method | Wall Mount / DIN Rail | | |
| Enclosure | Sheet Metal Enclosure | | |
| Heat Dissipation | Natural Air Cooling | | |
| IP Protection Level | IP20 | | |
| **Device Power Supply** | | | |
| Power Input | DC 10-30V (Typical Power DC24V/2A) | | |
| Power Interface | Pluggable Terminal Block | | |
| Power Protection | Overcurrent Protection, Short Circuit Protection, Reverse Polarity Protection | | |
| **Operating Environment** | | | |
| Operating Temperature | -30 ~ 60 ℃ (-22 ~ 140 ℉) | | |
| Storage Temperature | -40 ~ 85 ℃ (-40 ~ 185 ℉) | | |
| Environmental Humidity | 5~95% RH @ 40 ℃ / 104 ℉ No Condensation | | |
| **Indicator Light** | | | |
| LED | Power, Status, SINGAL, 485, 232 | | |

| Industrial Gateway Series | | | |
|---|---|---|---|
| **Hardware Platform** | | | |
| A4 Series | EDGE-A408-010800L | EDGE-A410-010800L | EDGE-A404-010800L |
| A5 Series (PLC Data Acquisition) | EDGE-A54G-000802L | EDGE-A54G-00080DL | EDGE-A54G-000800L |
| Memory | 1G RAM | | |
| Flash | 8GB eMMC | | |
| **Interface** | | | |
| Ethernet | 1xWAN, 1xLAN 10/100/1000Mbps RJ45 | | |
| Serial Port | RS-232 x1, DB9 terminal interface, baud rate 2400~115200 bps, ESD 15KV | | |
| | RS-485 x1, 3-wire terminal interface, baud rate 2400~115200bps, ESD 15KV | | |
| Configuration | RJ45 - LAN 1, RS-232 | | |
| SIM Card | 1 x Standard SIM Card | | |
| Reset Function | Pinhole Reset Button | | |
| Storage Expansion | 1 x TF Card Slot, maximum 64GB | | |
| Antenna (Number of SMA) | 2 | 2 | 1 |
| **Wireless** | | | |
| 5G | N/A | N/A | N/A |
| LTE（4G） | ● | ● | N/A |
| WIFI | ● | N/A | ● |
| GPS | N/A | ● | N/A |
| **Mechanical** | | | |
| Installation Method | Wall Mount / DIN Rail | | |
| Enclosure | Sheet Metal Enclosure | | |
| Heat Dissipation | Natural Air Cooling | | |
| IP Protection Level | IP20 | | |
| **Device Power Supply** | | | |
| Power Input | DC 10-30V (Typical Power DC24V/2A) | | |
| Power Interface | Pluggable Terminal Block | | |
| Power Protection | Overcurrent Protection, Short Circuit Protection, Reverse Polarity Protection | | |
| **Operating Environment** | | | |
| Operating Temperature | -30 ~ 60 ℃ (-22 ~ 140 ℉) | | |
| Storage Temperature | -40 ~ 85 ℃ (-40 ~ 185 ℉) | | |
| Environmental Humidity | 5~95% RH @ 40 ℃ / 104 ℉ No Condensation | | |
| **Indicator Light** | | | |
| LED | Power, Status, SINGAL, 485, 232 | | |