YZW1000

01 Wiring and power

01 Wiring and power 02 PC and management 03 Network and a real request 04 Next task and handover

Item	This model
Platform/cellular	MT7981 / 4G standard; 5G option without Wi-Fi
Power input	Dual 12–55 V DC; PSE needs 52–55 V
Ethernet	2 × Gigabit SFP + 8 × Gigabit RJ45
Serial/I/O	3 × RS485 (2 external + 1 internal)

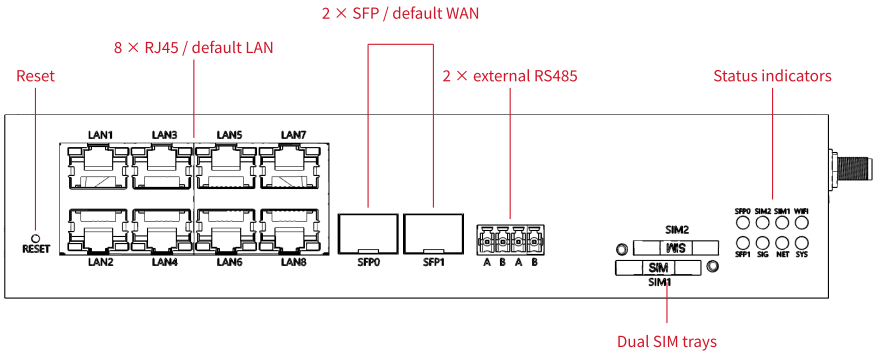


Figure 2-1 Interfaces and indicators

> Device input is 12–55 V DC; PSE requires 52–55 V. The included 12 V adapter cannot power PoE loads. 90 W/port and 720 W are design limits, not measured continuous ratings. The 5G option has no Wi-Fi.

Power off before fitting SIM and matching antennas. Use this model connector/polarity and connect the PC to a confirmed LAN. Obtain the pin map when unclear; do not infer wiring from a similar enclosure.

02 PC and management

Use the site-PC browser, not M2M or the PLC vendor tool. Obtain management URL, scheme/port and credentials from the label, delivery record or administrator. Check records before considering a reset for an unknown address.

Step	Action, expected result and first checks
1	Use a LAN identified by the label/manual; if roles changed, follow the current configuration.
2	Run ipconfig in Windows PowerShell and check adapter IP/mask. For no DHCP lease inspect cable/LAN first; for static IP exclude conflicts.
3	Enter the complete current URL in the browser address bar, including scheme/port. Expect the gateway login; check subnet, role and scheme/port if absent.
4	Log in with delivered Web credentials and verify Home identity/state. In System Management > User Management change admin password; retain the old session and test a private-window login.

> Record current URL, port role, PC IP and controlled credential location. Login proves management access, not uplink or valid field data.

03 Network and a real request

Entry/task	Action	Pass / first failure checks
Cellular uplink	Gateway Web > Network Settings > Cellular. Configure an actual modem with carrier APN/authentication/PIN and save.	Require SIM recognition, registration, session IP and actual service. Diagnose in that order; signal strength alone is insufficient.
Wired uplink	Gateway Web > Network Settings > WAN. Match upstream DHCP/static/PPPoE, save and reopen to verify the address.	Address/gateway/DNS match upstream and a real target works; do not confuse uplink and management LAN.
Network Tools	Applications > Network Tools: test the real target IP then its hostname. Source IP is the gateway address on that egress; blank uses default routing.	Retain target, source, time and full result. No Ping reply alone does not establish an offline server; check service/logs.
Actual application	Observe a fresh receiver message or read a known point with the authorized vendor tool, after a local site baseline.	Match time, identity/value/unit to the site; online/TCP-connected/saved status alone is insufficient.

Retain this evidence

Save Home/uplink screenshots, full diagnostic output and a fresh raw message or vendor-tool read result. In System Management > Local Log refresh and export the relevant period; retain filename/time zone. Redact passwords and keys before sharing.

04 Next task and handover

Next task	Entry/material
Instrument/Modbus	Applications > Modbus Collect. Save command, device and global settings separately; use Data Acquisition and the platform-specific Modbus/DTU guide.
PLC/remote service	Delivered MT7981 PLC apps use the dedicated Web entry. Remote service uses authorized VPN/M2M plus vendor tools. Other platforms use local Modbus or external drivers.
Node-RED	Open the delivered editor and Deploy; confirm the 900 eMMC/Node-RED option first. Back up flows, credentials and dependencies separately.

Back up before maintenance

Export configuration in System Management > Configuration Management. Separately account for used point maps, certificates, Node-RED/LNS and other application data. Use only the approved exact-model/layout image.

> Select Factory reset after upgrade when the new firmware changes the configuration. Leave it unchecked for a program-only update with no configuration changes. A checked box resets settings; it does not retain them. Reconfigure after the reset and separately confirm whether an old backup is compatible.

Handover	Complete on site
Hardware/software	Model/order configuration, actual firmware and app versions: ____
Management/uplink	Current URL, LAN/egress and credential location: ____
Evidence/recovery	Last successful step, logs/backup and local contact: ____

Full model manual: YZW1000_User_Manual_V1.5_EN.pdf in the accompanying specification/manual folder. Use its live contents. This quick start does not replace installation rules, safety requirements or control authorization.