EDGELOR

Selection, Capabilities and Delivery Baseline

Confirm the task, deliver evidence and verify the actual site result

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Worksheets do not pre-approve results. Verify hardware performance and compatibility on the project configuration.

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01 | Identify the customer task and delivered unit

Use this guide for selection, sample confirmation and delivery, alongside the exact model specification. Hardware follows the supplied current specification; UI/function paths follow the corresponding platform source and manual. Source presence, menu presence, software simulation and real-device acceptance are different evidence levels. |Task|Required input|Delivery result| |---|---|---| |Remote PLC/HMI service|Vendor tool/version, target IP/port, discovery method and permitted operations|Authorized path, routing and actual vendor-tool access, recorded separately| |Continuous local acquisition|Exact protocol, CPU/instrument, point map, periods and serial ownership|Matching real point value, raw report and platform result| |LoRaWAN aggregation|Country/region, RF hardware, LNS, node version/keys and decoder|Separate gateway-online, Join, uplink, decoding and platform checks| |Edge rules/interface conversion|Runtime, node dependencies, input/output contract and failure policy|Deployed flow, negative tests and separate backup/recovery evidence| |Power PoE endpoints|PD types, port count, worst-case load, supply/cables and environment|Per-port negotiation, worst-case load and power-recovery records|

02 | Functional applicability for 14 models

Model	Platform	PLC path	Node-RED	LoRaWAN / LNS
YZW300X	MT7628	No dedicated PLC entry; local Modbus or external driver	Not standard	Forward to external LNS
YZW350L	MT7628	No dedicated PLC entry; local Modbus or external driver	Not standard	Not specified for this model
YZW400	MT7628	No dedicated PLC entry; local Modbus or external driver	Not standard	Not specified for this model
YZWK001	MT7628	No dedicated PLC entry; local Modbus or external driver	Not standard	Not specified for this model
YZW1010	MT7628	No dedicated PLC entry; local Modbus or external driver	Not standard	Not specified for this model
YZW280	MT7621	No dedicated PLC entry; local Modbus or external driver	Not standard	Not specified for this model

Model	Platform	PLC path	Node-RED	LoRaWAN / LNS
YZW380	MT7621	No dedicated PLC entry; local Modbus or external driver	Not standard	Not specified for this model
YZW800L	MT7621	No dedicated PLC entry; local Modbus or external driver	Not standard	Not specified for this model
YZW001L	MT7981	Dedicated PLC entry; verify delivered app	Standard; verify entry, service and dependencies	Not specified for this model
YZW300L	MT7981	Dedicated PLC entry; verify delivered app	Standard; verify entry, service and dependencies	Local/external LNS
YZW800	MT7981	Dedicated PLC entry; verify delivered app	Standard; verify entry, service and dependencies	Not specified for this model
YZW900	MT7981	Dedicated PLC entry; verify delivered app	Optional eMMC/runtime	Not specified for this model
YZW900L	MT7981	Dedicated PLC entry; verify delivered app	Standard; verify entry, service and dependencies	Local/external LNS; second concentrator optional
YZW1000	MT7981	Dedicated PLC entry; verify delivered app	Standard; verify entry, service and dependencies	Not specified for this model

The matrix defines documentation/source applicability, not factory acceptance for every unit. All three platforms have native Modbus TCP/RTU and DTU implementations; verify actual serial hardware, installed apps, permission and order separately. 900 has no physical serial port; serial examples do not apply. Its proprietary PLC and Node-RED use requires matching runtime delivery.

2.1 Model-specific checks

Model	Essential confirmation
YZW300X	The single RS485 port is Serial1; DI/DO are not extra serial ports. LoRaWAN requires an external LNS. US915/AU915 are not software upgrades for the documented EU868 RF hardware.
YZW350L	All five Ethernet ports are 10/100. Use barrel DC input. The GPS option replaces one Wi-Fi antenna. Do not assume the MT7981 runtime of 001L.

Model	Essential confirmation
YZW400	4G is standard and 5G is a complete-unit hardware option. Even the 5G unit has 10/100 Ethernet. Use the MX3.0 2×2 power connector, not a barrel lead.
YZWK001	The single 10/100 RJ45 is LAN, not a separate wired WAN. Use cellular uplink. Order one serial type, RS232 or RS485, not two ports.
YZW1010	RS232 is Serial1; the right A/B RS485 pair is Serial2. Confirm mounting ears against current packing; DIN accessories are not assumed included.
YZW280	The standard unit has two RS485 ports; the left A/B pair is Serial1. One may be ordered as RS232. Only two Gigabit ports are present; five-port layouts do not apply.
YZW380	Default Ethernet roles are 1 WAN plus 4 LAN. RS232 and RS485 share a 5-pin connector. Retain another local LAN management path before changing roles.
YZW800L	800L is MT7621. It does not inherit YZW800 RAM, eMMC, multiple RS485 ports or Node-RED configuration.
YZW001L	Standard 4G: no populated front antenna ports; two cellular plus two Wi-Fi ports at the rear. Optional 5G uses four cellular plus two Wi-Fi ports. GPS replaces one Wi-Fi antenna at ANT-RES.
YZW300L	Use separate 2-pin DC and 7-pin dual-RS485/DI/DO connectors; follow the delivered pin map. The third antenna-port silk-screen reads LoRaWAN. GPS and dual-band Wi-Fi are order alternatives.
YZW800	4G is standard; 5G is a complete-unit option. One RS232 and three RS485 ports are provided. Current standard storage includes 4 GB eMMC. No PoE input or output is specified.
YZW900	Power enters the WAN through 48 V af/at PoE PD. There is no separate DC input, serial, DI or DO. PSE, eMMC and Node-RED are options. Preserve PoE power during network-only failure tests.
YZW900L	Use 9–48 V DC at the 2-pin connector, not PoE input. RS485 is internal; DO is 12 V/1 A, not A/B. Restore sealing after service access. A second concentrator is optional.
YZW1000	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.

03 | UI entries and save order

Task	Application and entry	Save/pass condition
Gateway management	Site-PC browser > current management URL > gateway Web login	Home model/current address match delivery; use the address bar, not search
Modbus	Gateway Web > Applications > Modbus Collect > Add Device > Add Command	Save command > save device > enable/save global settings > verify fresh message
Dedicated PLC collection	MT7981 only: gateway Web > Applications > PLC Collect; use the upper connection row for Points/Monitor	Save connection, points and the independent lower reporting rules separately; not Modbus global reporting
Diagnostic source	Gateway Web > Applications > Network Tools > Source IP	Enter the gateway local IP on that interface; blank uses default routing. This is not an interface selector
Node-RED	Delivered Node-RED entry in gateway Web, or the editor URL confirmed in delivery	Verify service, open editor and Deploy; back up flows and credentials/dependencies separately
Remote client	Engineer Windows PC > delivered M2M client > target online row / Routes / adapter toolbar	Web and client accounts are separate; an existing independent VPN does not require another M2M installation
Firmware update	Gateway Web > System Management > Firmware Upgrade > Factory reset after upgrade	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.

04 | Bind the delivered versions and dependencies

Record	Source/owner	Not a substitute
Model, hardware/BOM, modem, antenna/region configuration	Label, order and current specification; supplier confirmation	Processor family or a similar enclosure photo

Record	Source/owner	Not a substitute
Actual firmware and approved image SHA256	Web version/Home and approved release note; firmware owner	Document revision or source-folder date
Application, Node.js, Node-RED and node versions	Actual application version and node inventory; supplier/authorized maintainer	Editor menu presence or the newest online tutorial
PLC CPU/firmware/module and engineering tool	Vendor-tool identity page and customer equipment record	A driver dropdown or another CPU from the same brand
Platform API/version, account scope and certificate arrangements	Integration contract from the customer platform owner	Demo Broker credentials, placeholder domains or simulated payloads

4.1 Four evidence states

State	Meaning	Permitted claim
Source reviewed	Corresponding page/API/runtime branch exists	Describe the implementation path, not confirmed inclusion in the shipped binary
Software simulation passed	Isolated services, flow functions and payload logic passed	Claim only the recorded software conditions/results
Device validation pending	No evidence for this hardware/version/wiring/site combination	Require site validation; do not pre-fill pass or performance values
Project device acceptance passed	Exact configuration, raw results, negative/recovery tests and sign-off exist	Apply only to the recorded project combination, not the whole product family

05 | Customer records and handover

Use Forms/01_Delivery_Baseline_English.csv for hardware/software identity and 02_Feature_Acceptance_English.csv for feature delivery, evidence and ownership. Chinese equivalents use the 中文 suffix. Record only the controlled storage location of passwords, tokens and private keys.