

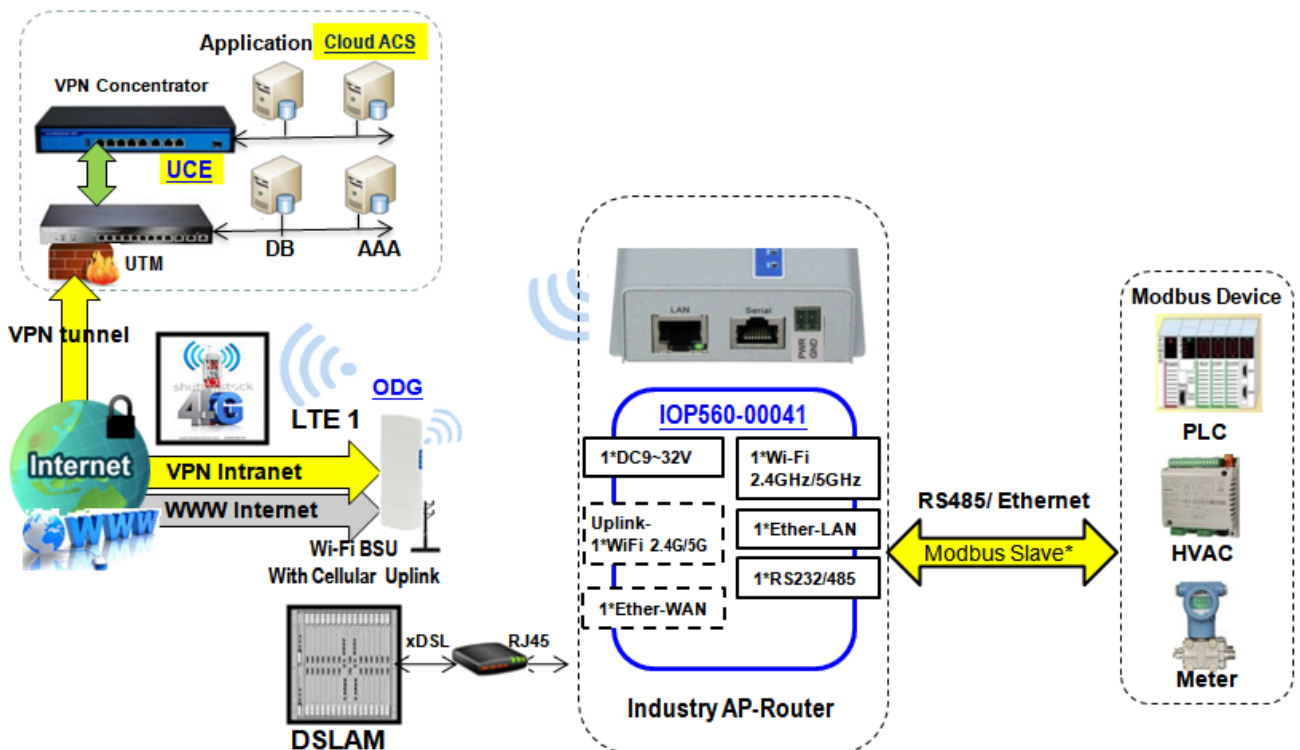


Industry AP-Router

Feature Sets:

- Smart Industry, Smart Utility, and Smart City applications.
- Equip with a WiFi uplink port for connecting the modbus devices to local network or control center wirelessly.
- Equip with an Ethernet port for linking local Modbus/TCP devices.
- Equip with a RS232/RS485 interface for Modbus RTU and various serial communication protocol.
- Fully network protocol with NAT/Routing/IPv6 support.
- Firewall with SPI and IPS function prevent hacker attacking and enhance network efficiency.
- SNMP, Telnet CLI, and TR-069 for administrator to manage system.

Connection Diagram:



Specifications¹:

Device Interfaces

Uplink: 11n/ac (2.4GHz/5GHz) WiFi Uplink, or
1*RJ45 FE (Configurable)
LAN-RJ45: 1*RJ45 FE
LAN-WiFi: 11n 2T2R (2.4GHz), or 11ac 2T2R (5GHz)
Comm. Bus: 1*RJ45 RS232/RS485
Antenna: 2*5dBi detachable ant. (WiFi DB)
Power Source: DC 9V~32V

WAN Functions

Uplink: Bridge, Gateway,
Configurable Ethernet / WiFi
Ethernet: Dynamic IP, Static IP, PPPoE, PPTP, L2TP
WiFi: 11n/ac (2.4GHz/5GHz) WiFi Uplink
IPv6: Dual Stack, Static IPv6, DHCPv6, PPPoEv6

Basic Functions

Ethernet: LAN IP, Subnet Mask
WiFi Operation: AP Router, WDS, WDS Hybrid Modes
WiFi Security: WEP, WPA, WPA2, WPA-PSK, WPA2-PSK, 802.1x
Port Forwarding: Virtual Server/ Computer, DMZ Host,
VPN Pass-through

Object Definition

Scheduling: Time Schedule List
Grouping: Host Grouping List
Ext. Server: Email, Syslog, RADIUS, LDAP, FTP
Certificate: My Certificate, Trusted Certificate,
Issue Certificate

Field Communication

Virtual COM: RFC2217, TCP Client, TCP Server, UDP
Modbus: Modbus Slave, Modbus Gateway for
Modbus TCP Master/Slave, Modbus
RTU/ASCII Master/Slave Access

Security

VPN Tunneling: IPSec, OpenVPN;
Tunneling with Full Tunnel, Tunnel Failover
VPN Scenario: Site to Site, Site to Host, Host to Site, Host
to Host, Hub and Spoke, Dynamic VPN
Firewall: SPI Firewall with Stealth Mode, IPS
Access Control: MAC Filter

Service

Event Handling: Managing / Notifying Events; Modbus,
Syslog, SNMP Trap, Email Alert, Reboot

Administration

Config.& Mgmt.: Web, Telnet CLI, Command Script, TR-069,
SNMPv3 standard & AMIT MIB
System Op.: MMI, System Info., System Time / Log,
Backup & Restore, Reboot & Reset

Dimension

Device (LxWxH): 93x90x27mm

Environment

Operation Temp.²: -30 °C ~ 70 °C
Storage Temp.: -40 °C ~ 85 °C
Humidity: 10% ~ 95% (non-condensing)

Accessory

Package Content
1*Device, 2* 2.4G/5GHz Antenna (5dBi),
1*Power Adapter (DC 12V/1A),
1*2-pin Terminal Block (for DC Power),
2*DIN Rail Bracket,
4*Rubber feet, 1*CD (User Manual)

Certification

Approval / Certificate
CE
Standards & Regulation
EMI: EN 55032: 2015 +AC: 2016 Class B
EN 61000-3-2:2014, 61000-3-3:2013
EMS: EN 55024:2010+A1:2015
EN 61000-6-2:2005+AC:2005
IEC 61000-4-2(ESD) Level 4
IEC 61000-4-3(RS) Level 3
IEC 61000-4-4(EFT) Level 4
IEC 61000-4-5(Surge) Level 2
IEC 61000-4-6(CS) Level 3
IEC 61000-4-8(PFMF) Level 4
Radio: EN 301 489-1/-7/-24/-52
EN 50385
Safety: EN 60950-1

1. Specifications are subject to change without prior notice.

2. WiFi performance will be degraded if device's ambient temperature is above 60°C.

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