

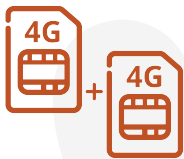
WR647-D



WR647-D VIEW

Dual-4G Cellular Industrial Router

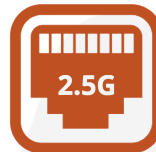
Built-in dual-4G cellular modems, Wavetel WR647-D is a Cellular Industrial Router of robust and reliable performance. It supports dual-4G cellular connectivities, 2.5GE port, 4 GE ports, dual-band Wi-Fi 6, serial ports and abundant I/O ports. WR647-D ensures unbreakable connectivity.



Dual 4G



Wi-Fi 6



2.5GE + GE ports



WAN Failover



KEY FEATURES

- 1*2.5GE + 4*GE + 1*SFP + Wi-Fi AX3000 + Dual-4G
- Dual 4G Modems in Active-Active mode
- IEEE 802.11 a/b/g/n/ac/ax
- 1*RS232 + 1*RS485 + 6*DI + 2*DO + 1*AI+1*RELAY
- WAN failover between ETH WAN and Cellular WAN
- VPN: PPTP, L2TP, IPSec, GRE, OpenVPN, WireGuard
- Modbus, MQTT
- Management: Web GUI, SSH, TR069, SNMP, SMS, RMS



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SPECIFICATIONS



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Hardware

Ethernet	1*2.5GE + 4*GE
Cellular	Dual 4G
Wi-Fi	Wi-Fi 6 AX3000, 2.4GHz 2*2, 5.8GHz 2*2
Serial Port	1*RS232 + 1*RS485
I/O	6*DI + 2*DO + 1*AI+1*RELAY
PoE	Active PoE PD
Antenna	2*RP-SMA Wi-Fi Antenna 4*SMA Cellular Antenna 2*GNSS Antenna(Optional)
Sim Card Slot	4*4FF
GNSS	Yes
LED	Power, System, Wi-Fi, Cellular, Signal Strength
Power	4-Pin Molex
Reset Button	1
Grounding Screw	1
Housing Material	Aluminium
Ingress Protection	IP30
Weight	440g
Size	183x109x48mm
Operating temperature	-40℃~75℃
Operating humidity	10% to 90%, non-condensing
Installation	Desktop, Wall-mounted, Din-rail

Software

Network	Multi-WAN: ETH WAN, Cellular WAN WAN Failover, Load Balancing
Protocols	PPPoE, TCP, UDP, DHCP, NAT, DNS, NTP, SMTP, Telnet, ICMP, HTTP, HTTPS, TLS, ARP, VLAN, SSH2, DDNS
Cellular	Dual 4G modems in Active-Active Mode SMS, Dual-APN, Band Lock, PIN Management, IP Passthrough Sim auto-switch
Wi-Fi	Standard: IEEE 802.11 a/b/g/n/ac/ax ; Speed: WiFi AX3000 ; Frequency: 2.4GHz and 5GHz Channel Bandwidth: 40MHz/80MHz/160MHz Security: WEP, WPA-PSK, WPA2-PSK, WPA3 Encryption: AES, TKIP Wi-Fi Users: Up to 64 Users Whitelist, Blacklist
VPN	PPTP, L2TP, IPSec, GRE, OpenVPN
MQTT	MQTT Broker, MQTT Publisher MQTT Gateway Data to Server
Modbus	Supported Mode: Server, Client Supported Types: TCP, UDP Supported Data Formats: 8-bit INT / UINT, 16-bit INT / UINT, 32-bit float / INT / UINT, HEX, ASCII
Routing	Static Route, Policy Route, BGP, OSPF, RIP, NHRP, VRRP
Security	Firewall, DMZ, Anti-DDOS, Website Filtering, Access Control, 802.1x
Device Management	Web GUI, SSH, TR069, SNMP, RMS



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