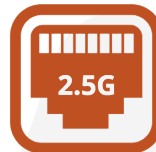# WR677

wavetel

5G Cellular Industrial Router

Designed for demanding environments, the Wavetel Cellular Industrial Router WR677 delivers ultra-high-speed 5G cellular connectivities, 2.5GE port, 4 GE ports and Dual-band Wi-Fi6 for seamless communication. It offers uninterrupted and ultra-high speeds to the end users.

5G	Wi-Fi 6	2.5GE + GE ports	WAN Failover

CE

RoHS compliant

KEY FEATURES

- 1*2.5GE +4*GE + 1*SFP + Wi-Fi AX3000 + 5G
- 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
- BGP, OSPF, RIP, NHRP, VRRP
- Modbus, MQTT
- Management: Web GUI, SSH, TR069, SNMP, SMS, RMS

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SPECIFICATIONS

Hardware

Ethernet	1*2.5GE + 4*GE
Cellular	5G
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
	3*SMA Cellular Antenna
	1* Cellular/GNSS SMA
Sim Card Slot	2*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	420g
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	5G Sub-6GHz, NSA&SA Mode,Compatible with 4G/3G 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
	Encription: 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
	Supporetd 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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