

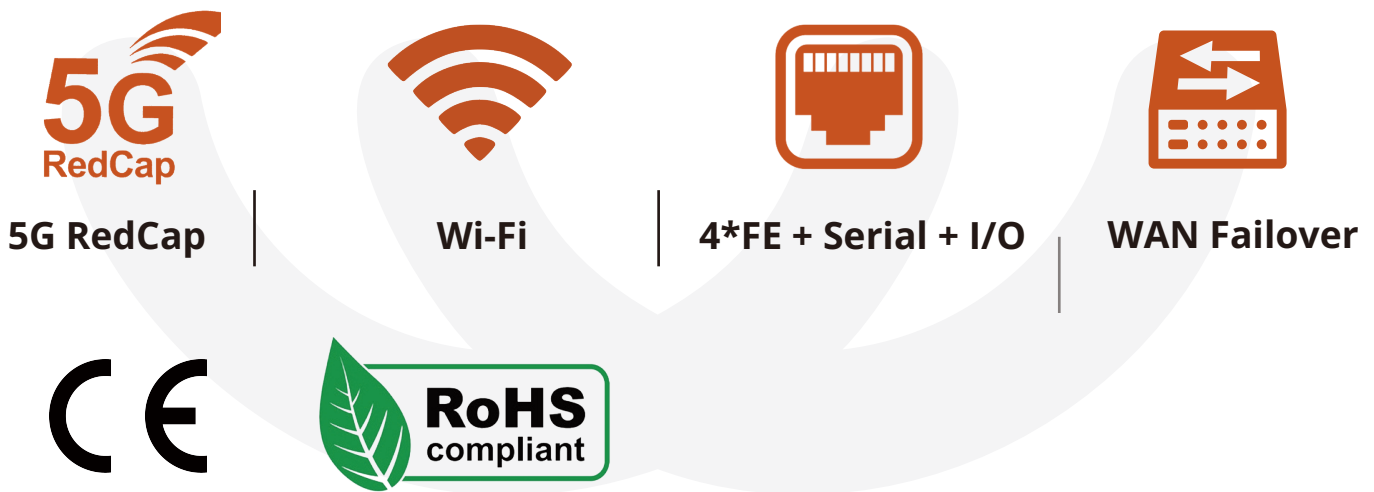
WR255



WR255 VIEW

5G RedCap Industrial Router

WR255 offers cellular connectivity via LTE Cat 4 / 5G RedCap / 5G SA networks. Equipped with 2.4GHz Wi-Fi, 4 Ethernet ports, RS232, RS485 and 4 I/O ports, WR255 allows for integrating more devices and systems into your network, and delivers enhanced operational efficiency and connectivity!



KEY FEATURES

- 4*FE + 2.4GHz Wi-Fi + 5G Redcap
- 3GPP Rel-17 Complied, compatible with 5G SA and 4G LTE
- 1*RS232 + 1*RS485 + 6*DI + 2*DO + 1*AI + 1*RELAY
- Support Passive PoE-PD on 1 ETH Port
- 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



SPECIFICATIONS



Hardware

Ethernet	4*10/100Mbps Port
Cellular	5G RedCap
Wi-Fi	2.4GHz
Serial Port	1*RS232 + 1*RS485
I/O	6*DI + 2*DO + 1*AI+1*RELAY
PoE	Passive PoE PD
Antenna	2*RP-SMA Wi-Fi Antenna 1*SMA Cellular Antenna 1*SMA for Cellular or GNSS
Sim Card Slot	2*4FF
GNSS	Optional
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	270g
Size	114*88*40mm
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 RedCap SMS, Dual-APN, Band Lock, PIN Management, IP Passthrough Sim auto-switch
Wi-Fi	Standard: IEEE 802.11b/g/n Frequency: 2.4GHz Security: WPA-PSK, WPA2-PSK, WEP Encryption: AES, TKIP Wi-Fi Users: Up to 16 Users Whitelist, Blacklist"
VPN	PPTP, L2TP, IPSec, GRE, OpenVPN, WireGuard
MQTT	MQTT Broker, MQTT Publisher MQTT Gateway Data to Server
Modbus	Supported Mode: Server, Client Supported Types: TCP 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, SMS, RMS