

WR153



WR153 VIEW

5G RedCap Industrial Router

WR153 supports 5G RedCap connectivity and is expertly designed for the M2M and IoT industries. With its compact form factor, two Ethernet ports, serial port and I/O ports, WR153 ensures your devices remain connected and responsive with lower latency.



5G RedCap



Dual Sim



Serial + I/O



WAN Failover



RoHS
compliant

KEY FEATURES

- Compact design
- 5G Redcap, compatible with 5G SA and 4G LTE
- 1*PoE-PD FE + 1*FE
- 1*RS232 or RS485 + 2*I/O
- 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



Hardware

Ethernet	2*10/100Mbps Port
Cellular	5G RedCap
Wi-Fi	2.4GHz
Serial Port	1*RS232 or 1*RS485
I/O	1*DI(Dry Contact) + 1*DI(Dry Contact)/DO(Wet contact)
PoE	Passive PoE PD
Antenna	1*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	2-pin Terminal Block, 6 - 58V DC
Reset Button	1
Grounding Screw	1
Housing Material	Aluminium
Ingress Protection	IP30
Weight	200g
Size	85*80*27.5mm
Operating temperature	-40 C ~75 C
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	LTE Cat 4 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