

WR143



WR143 VIEW

LTE Cat 4 Industrial Router

WR143 is expertly designed for the M2M and IoT industries. With its compact form factor, two Ethernet ports, serial port and I/O ports, WR143 ensures your devices remain connected and responsive.



LTE Cat 4



Dual Sim



Serial + I/O



WAN Failover



RoHS
compliant

KEY FEATURES

- Compact design
- 4G LTE Cat 4 Access
- 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



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Hardware

Ethernet	2*10/100Mbps Port
Cellular	LTE Cat 4
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℃~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	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



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