

WR578



WR578 VIEW

5G Industrial PoE-PSE Router

WR578 is a cellular industrial router supporting 5G/4G/3G mobile connectivity, 4 PoE-PSE GE ports compliant with the 802.3af and 802.3at standards, Wi-Fi 6, serial ports and abundant I/O ports. Plus WAN failover, WR578 is able to provide reliable Gigabit-class data links for digital networking..

5G

5G NSA&SA



Wi-Fi 6 AX1800



4*PoE-Out GE
+ Serial + I/O



WAN Failover



KEY FEATURES

- 4*PoE-PSE GE Port + Wi-Fi 6 + 5G
- 3GPP Rel-16 Complied, support sub-6GHz NSA and SA mode
- IEEE 802.11 a/b/g/n/ac/ax
- 802.3af and 802.3at compliant, PoE-Out up to 30W per port
- 1*RS232 + 1*RS485 + 7*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



Hardware

Ethernet	4*10/100/1000Mbps Port
Cellular	5G NR
Wi-Fi	Wi-Fi 6 AX1800; 2.4GHz 2*2, 5.8GHz 2*2
Serial Port	1*RS232 + 1*RS485
I/O	7*DI + 2*DO + 1*AI+1*RELAY
PoE	Active PoE PSE ; Compliant with the 802.3af and 802.3at
Antenna	2*RP-SMA Wi-Fi Antenna 4*SMA Cellular Antenna 1* 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	320g
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 Sub-6GHz, NSA&SA 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 AX1800 ; Frequency: 2.4GHz and 5GHz Channel Bandwidth: 20MHz/40MHz/80MHz Security: WEP, WPA-PSK, WPA2-PSK, WPA3 Encryption: AES, TKIP Wi-Fi Users: Up to 48 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