



WAVETEL PRODUCT CATALOG



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Contents

01	COMPANY	
	who we are	04
	what we offer	05
	Company Philosophy	06
02	PRODUCT INDUSTRIES	09
03	ROUTERS	
	WR1XX Series	12
	WR2XX Series	16
	WR5XX Series	24
04	ACCESSORIES	33



Who we are

Our team is composed of the industry's top professionals who have deep knowledge and experience in IoT technology, product design and market applications. We are customer-oriented and committed to developing and providing high-performance, high-reliability IoT terminal devices.



What we offer

1 Equipment design and manufacturing



2 Solution customization



3 Technical support and maintenance



Mission · Vision · Values

In order to better meet market demand and lead the technological innovation of the industry, We focus on cutting-edge technologies, and continue to research and develop the application of emerging technologies such as 5G/6G, AI and edge computing in the industrial Internet. Our goal is to introduce smarter, more efficient and secure IOT terminal devices through these innovative technologies to provide customers with more comprehensive solutions.



We believe that IoT technology will completely change the way people live and work. We are committed to bringing more convenience and value to our customers through continuous innovation and hard work. In the future, Wavetel will continue to lead the industry development and become a leader in the global IoT field.



We are focused on leading the industry and committed to providing unparalleled connectivity solutions and communication devices. Each product reflects the wisdom and hard work of our team and is synonymous with high quality and reliability. With a sincere team spirit and unremitting pursuit of excellence, we firmly believe that we can shape a future where everything is connected and provide customers with an unparalleled first-class service experience.





02 PRODUCT INDUSTRIES

Product Industries



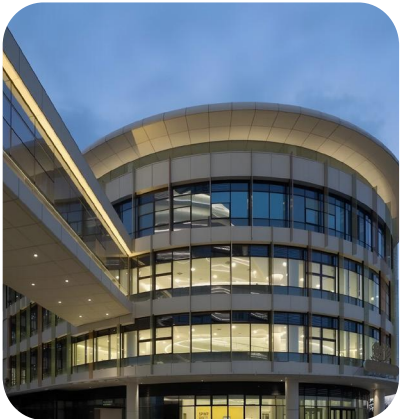
Energy & Utilities



Smart Cities



Transportation



Enterprise



Industrial



Retail

03 ROUTERS

WR143

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.

Main Functions

LTE Cat 4

Dual Sim

Serial + I/O

WAN Failover



Key Features

- Compact design
- 4G LTE Cat 4 Access
- 1*PoE-PD FE + 1*FE
- RS232 or RS485, 2*I/O
- WAN failover between ETH WAN and Cellular WAN
- VPN: PPTP, L2TP, IPSec, GRE, OpenVPN, DMVPN
- Modbus, MQTT
- Management: Web GUI, SSH, TR069, SNMP, SMS, RMS

Hardware			
Ethernet	2*10/100Mbps Port	Power	2-pin Terminal Block
Cellular	LTE Cat 4	Reset Button	1
Wi-Fi	2.4GHz	Grounding Screw	1
Serial Port	1*RS232 or 1*RS485	Housing Material	Aluminium
I/O	1*DI(Dry Contact) + 1*DI (Dry Contact)/DO(Wet contact)	Ingress Protection	IP30
PoE	Passive PoE PD	Weight	200g
Antenna	1*RP-SMA Wi-Fi Antenna 1*SMA Cellular Antenna 1*SMA for Cellular or GNSS	Size	85*80*26mm
Sim Card Slot	2*4FF	Operating temperature	-40℃~75℃
GNSS	Optional	Operating humidity	10% to 90% non-condensing
LED	Power, System, Wi-Fi, Cellular, Signal Strength	Installation	Desktop, Wall-mounted, Din-rail

WR153

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.

Main Functions

5G RedCap

Dual Sim

Serial + I/O

WAN Failover



Key Features

- Compact design
- 5G Redcap, compatible with 5G SA and 4G LTE
- 1*PoE-PD FE + 1*FE
- RS232 or RS485, 2*I/O
- WAN failover between ETH WAN and Cellular WAN
- VPN: PPTP, L2TP, IPSec, GRE, OpenVPN, DMVPN
- Modbus, MQTT
- Management: Web GUI, SSH, TR069, SNMP, SMS, RMS

Hardware			
Ethernet	2*10/100Mbps Port	Power	2-pin Terminal Block
Cellular	5G RedCap	Reset Button	1
Wi-Fi	2.4GHz	Grounding Screw	1
Serial Port	1*RS232 or 1*RS485	Housing Material	Aluminium
I/O	1*DI(Dry Contact) + 1*DI (Dry Contact)/DO(Wet contact)	Ingress Protection	IP30
PoE	Passive PoE PD	Weight	200g
Antenna	1*RP-SMA Wi-Fi Antenna 1*SMA Cellular Antenna 1*SMA for Cellular or GNSS	Size	85*80*26mm
Sim Card Slot	2*4FF	Operating temperature	-40℃~75℃
GNSS	Optional	Operating humidity	10% to 90% non-condensing
LED	Power, System, Wi-Fi, Cellular, Signal Strength	Installation	Desktop, Wall-mounted, Din-rail

WR244

Cellular Industrial Router

WR244 is an industrial router that supports LTE Cat 4 access, 2.4GHz Wi-Fi and 4 Ethernet ports. With Compact design and WAN failover, WR244 is able to provide stable connectivities in IoT and M2M scenaios.

Main Functions

LTE Cat 4

Wi-Fi

4 x FE ports

WAN Failover



Key Features

- 4*FE + 2.4GHz Wi-Fi + LTE
- 4G LTE Cat 4 Access, Dual Sim Slot
- Support Passive PoE-PD on 1 ETH Port
- WAN failover between ETH WAN and Cellular WAN
- VPN: PPTP, L2TP, IPSec, GRE, OpenVPN, DMVPN
- Modbus, MQTT
- Management: Web GUI, SSH, TR069, SNMP, SMS, RMS
- Small footprint, support Wall-mounting and Din-Rail Mounting

Hardware			
Ethernet	4*10/100Mbps Port	Power	2-pin Terminal Block/MOLEX
Cellular	LTE Cat 4	Reset Button	1
Wi-Fi	2.4GHz	Grounding Screw	1
Serial Port	-	Housing Material	Aluminium
I/O	-	Ingress Protection	IP30
PoE	Passive PoE PD	Weight	270g
Antenna	2*RP-SMA Wi-Fi Antenna 1*SMA Cellular Antenna 1*SMA for Cellular or GNSS	Size	114*88*40mm
Sim Card Slot	2*4FF	Operating temperature	-40℃~75℃
GNSS	Optional	Operating humidity	10% to 90% non-condensing
LED	Power, System, Wi-Fi, Cellular, Signal Strength	Installation	Desktop, Wall-mounted, Din-rail

WR245

Cellular Industrial Router

WR245 is an industrial router that supports LTE Cat 4 access, 2.4GHz Wi-Fi, 4 Ethernet ports, RS232, RS485 and 4 I/O ports. It allows for integrating more devices and systems into your network, and delivers enhanced operational efficiency and connectivity!

Main Functions

LTE Cat 4

Wi-Fi

4*FE + Serial + I/O

WAN Failover



Key Features

- 4*FE + 2.4GHz Wi-Fi + LTE
- 4G LTE Cat 4 Access, Dual Sim Slot
- 1*RS232 + 1*RS485 + 2*DI + 2*DI/DO
- Support Passive PoE-PD on 1 ETH Port
- WAN failover between ETH WAN and Cellular WAN
- VPN: PPTP, L2TP, IPSec, GRE, OpenVPN, DMVPN
- Modbus, MQTT
- Management: Web GUI, SSH, TR069, SNMP, SMS, RMS

Hardware			
Ethernet	4*10/100Mbps Port	Power	2-pin Terminal Block/MOLEX
Cellular	LTE Cat 4	Reset Button	1
Wi-Fi	2.4GHz	Grounding Screw	1
Serial Port	1*RS232 + 1*RS485	Housing Material	Aluminium
I/O	7*DI + 2*DO + 1*AI+1*RELAY	Ingress Protection	IP30
PoE	Passive PoE PD	Weight	270g
Antenna	2*RP-SMA Wi-Fi Antenna 1*SMA Cellular Antenna 1*SMA for Cellular or GNSS	Size	114*88*40mm
Sim Card Slot	2*4FF	Operating temperature	-40℃~75℃
GNSS	Optional	Operating humidity	10% to 90% non-condensing
LED	Power, System, Wi-Fi, Cellular, Signal Strength	Installation	Desktop, Wall-mounted, Din-rail

WR254

5G RedCap Industrial Router

WR254 is an industrial router that supports 5G RedCap access, 2.4GHz Wi-Fi and 4 Ethernet ports. Complying with 3GPP Rel-17 RedCap, it can also work in LTE Cat 4 and 5G SA networks. With industrial-grade design, WAN failover and multiple mounting methods, it makes WR254 very flexible to deploy.

Main Functions

5G RedCap

Wi-Fi

4 x FE ports

WAN Failover



Key Features

- 4*FE + 2.4GHz Wi-Fi + 5G Redcap
- 3GPP Rel-17 Complied, compatible with 5G SA and 4G LTE
- Support Passive PoE-PD on 1 ETH Port
- WAN failover between ETH WAN and Cellular WAN
- VPN: PPTP, L2TP, IPSec, GRE, OpenVPN, DMVPN
- Modbus, MQTT
- Management: Web GUI, SSH, TR069, SNMP, SMS, RMS
- Small footprint, support Wall-mounting and Din-Rail Mounting

Hardware			
Ethernet	4*10/100Mbps Port	Power	2-pin Terminal Block/MOLEX
Cellular	5G RedCap	Reset Button	1
Wi-Fi	2.4GHz	Grounding Screw	1
Serial Port	-	Housing Material	Aluminium
I/O	-	Ingress Protection	IP30
PoE	Passive PoE PD	Weight	270g
Antenna	2*RP-SMA Wi-Fi Antenna 1*SMA Cellular Antenna 1*SMA for Cellular or GNSS	Size	114*88*40mm
Sim Card Slot	2*4FF	Operating temperature	-40℃~75℃
GNSS	Optional	Operating humidity	10% to 90% non-condensing
LED	Power, System, Wi-Fi, Cellular, Signal Strength	Installation	Desktop, Wall-mounted, Din-rail

WR255

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!

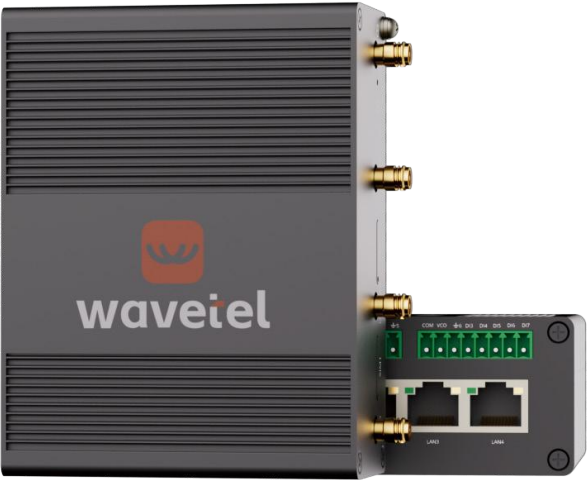
Main Functions

5G RedCap

Wi-Fi

4*FE + Serial + I/O

WAN Failover



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 + 2*DI + 2*DI/DO
- Support Passive PoE-PD on 1 ETH Port
- WAN failover between ETH WAN and Cellular WAN
- VPN: PPTP, L2TP, IPSec, GRE, OpenVPN, DMVPN
- Modbus, MQTT
- Management: Web GUI, SSH, TR069, SNMP, SMS, RMS

Hardware			
Ethernet	4*10/100Mbps Port	Power	2-pin Terminal Block/MOLEX
Cellular	5G RedCap	Reset Button	1
Wi-Fi	2.4GHz	Grounding Screw	1
Serial Port	1*RS232 + 1*RS485	Housing Material	Aluminium
I/O	7*DI + 2*DO + 1*AI+1*RELAY	Ingress Protection	IP30
PoE	Passive PoE PD	Weight	270g
Antenna	2*RP-SMA Wi-Fi Antenna 1*SMA Cellular Antenna 1*SMA for Cellular or GNSS	Size	114*88*40mm
Sim Card Slot	2*4FF	Operating temperature	-40℃~75℃
GNSS	Optional	Operating humidity	10% to 90% non-condensing
LED	Power, System, Wi-Fi, Cellular, Signal Strength	Installation	Desktop, Wall-mounted, Din-rail

WR564

LTE-A Cat 6 Industrial Router

WR564 is a cellular industrial router providing LTE Cat 6 access. It supports 4 GE ports and Wi-Fi 6. With WAN failover, WR564 is able to provide high-speed and continuous access for Ethernet equipments.

Main Functions

LTE Cat 6

Wi-Fi 6 AX1800

4 x GE ports

WAN Failover



Key Features

- 3*GE +1*PoE-PD GE + Wi-Fi + LTE-A
- LTE-A Cat 6, up to 300Mbps on Cellular WAN
- IEEE 802.11 a/b/g/n/ac
- WAN failover between ETH WAN and Cellular WAN
- VPN: PPTP, L2TP, IPSec, GRE, OpenVPN, DMVPN
- BGP, OSPF, RIP, NHRP, VRRP
- Modbus, MQTT
- Management: Web GUI, SSH, TR069, SNMP, SMS, RMS

Hardware			
Ethernet	4*10/100/1000Mbps Port	Power	2-pin Terminal Block/4-Pin Molex
Cellular	LTE Cat 6	Reset Button	1
Wi-Fi	Wi-Fi 6 AX1800 2.4GHz 2*2, 5.8GHz 2*2	Grounding Screw	1
Serial Port	-	Ingress Protection	IP30
I/O	-	Housing Material	Aluminium
PoE	Active PoE PD	Weight	300g
Antenna	2*RP-SMA Wi-Fi Antenna 2*SMA Cellular Antenna 1* GNSS SMA	Size	114*88*40mm
Sim Card Slot	2*4FF	Operating temperature	-40℃~75℃
GNSS	Yes	Operating humidity	10% to 90% non-condensing
LED	Power, System, Wi-Fi, Cellular, Signal Strength	Installation	Desktop, Wall-mounted, Din-rail

WR565

LTE-A Cat 6 Industrial Router

Equippedw with 300Mbps connectivity of LTE Cat 6, 4 GE ports, Wi-Fi 6, serial ports and abundant I/O ports,Plus WAN failover, WR565 is able to provide high-speed and non-interruptible access for IoT and M2M applications.

Main Functions

LTE Cat 6

Wi-Fi 6 AX1800

4*GE + Serial + I/O

WAN Failover



Key Features

- 3*GE +1*PoE-PD GE + Wi-Fi + LTE-A
- LTE-A Cat 6, up to 300Mbps on Cellular WAN
- IEEE 802.11 a/b/g/n/ac
- 1*RS232 + 1*RS485 + 2*DI + 2*DI/DO
- WAN failover between ETH WAN and Cellular WAN
- VPN: PPTP, L2TP, IPSec, GRE, OpenVPN, DMVPN
- Modbus, MQTT
- Management: Web GUI, SSH, TR069, SNMP, SMS, RMS

Hardware			
Ethernet	4*10/100/1000Mbps Port	Power	2-pin Terminal Block/4-Pin Molex
Cellular	LTE Cat 6	Reset Button	1
Wi-Fi	Wi-Fi 6 AX1800 2.4GHz 2*2, 5.8GHz 2*2	Grounding Screw	1
Serial Port	1*RS232 + 1*RS485	Housing Material	Aluminium
I/O	7*DI + 2*DO + 1*AI+1*RELAY	Ingress Protection	IP30
PoE	Active PoE PD	Weight	300g
Antenna	2*RP-SMA Wi-Fi Antenna 2*SMA Cellular Antenna 1* GNSS SMA	Size	114*88*40mm
Sim Card Slot	2*4FF	Operating temperature	-40℃~75℃
GNSS	Yes	Operating humidity	10% to 90% non-condensing
LED	Power, System, Wi-Fi, Cellular, Signal Strength	Installation	Desktop, Wall-mounted, Din-rail

WR574

5G Industrial Router

WR574 is a cellular industrial router providing 5G/4G/3G access. It supports 4 GE ports and Wi-Fi 6. With WAN failover, WR574 is able to provide stable Gigabit-class access for Ethernet equipments.

Main Functions

5G NSA&SA

Wi-Fi 6 AX1800

4 x GE ports

WAN Failover



Key Features

- 3*GE +1*PoE-PD GE + Wi-Fi + 5G
- 3GPP Rel-16 Complied, support sub-6GHz NSA and SA mode
- IEEE 802.11 a/b/g/n/ac
- WAN failover between ETH WAN and Cellular WAN
- VPN: PPTP, L2TP, IPSec, GRE, OpenVPN, DMVPN
- BGP, OSPF, RIP, NHRP, VRRP
- Modbus, MQTT
- Management: Web GUI, SSH, TR069, SNMP, SMS, RMS

Hardware			
Ethernet	4*10/100/1000Mbps Port	Power	2-pin Terminal Block/4-Pin Molex
Cellular	5G NR	Reset Button	1
Wi-Fi	Wi-Fi 6 AX1800 2.4GHz 2*2, 5.8GHz 2*2	Grounding Screw	1
Serial Port	-	Housing Material	Aluminium
I/O	-	Ingress Protection	IP30
PoE	Active PoE PD	Weight	320g
Antenna	2*RP-SMA Wi-Fi Antenna 4*SMA Cellular Antenna 1* GNSS SMA	Size	114*88*40mm
Sim Card Slot	2*4FF	Operating temperature	-40℃~75℃
GNSS	Yes	Operating humidity	10% to 90% non-condensing
LED	Power, System, Wi-Fi, Cellular, Signal Strength	Installation	Desktop, Wall-mounted, Din-rail

WR575

5G Industrial Router

WR575 is a cellular industrial router supporting 5G/4G/3G mobile connectivity, 4 GE ports, Wi-Fi 6, serial ports and abundant I/O ports. Plus WAN failover, WR575 is able to provide reliable Gigabit-class data links for digital networking.

Main Functions

5G NSA&SA

Wi-Fi 6 AX1800

4*GE +Serial + I/O

WAN Failover



Key Features

- 3*GE +1*PoE-PD GE + Wi-Fi + 5G
- 3GPP Rel-16 Complied, support sub-6GHz NSA and SA mode
- IEEE 802.11 a/b/g/n/ac
- 1*RS232 + 1*RS485 + 2*DI + 2*DI/DO
- WAN failover between ETH WAN and Cellular WAN
- VPN: PPTP, L2TP, IPSec, GRE, OpenVPN, DMVPN
- Modbus, MQTT
- Management: Web GUI, SSH, TR069, SNMP, SMS, RMS

Hardware			
Ethernet	4*10/100/1000Mbps Port	Power	2-pin Terminal Block/4-Pin Molex
Cellular	5G NR	Reset Button	1
Wi-Fi	Wi-Fi 6 AX1800 2.4GHz 2*2, 5.8GHz 2*2	Grounding Screw	1
Serial Port	1*RS232 + 1*RS485	Housing Material	Aluminium
I/O	7*DI + 2*DO + 1*AI+1*RELAY	Ingress Protection	IP30
PoE	Active PoE PD	Weight	320g
Antenna	2*RP-SMA Wi-Fi Antenna 4*SMA Cellular Antenna 1* GNSS SMA	Size	114*88*40mm
Sim Card Slot	2*4FF	Operating temperature	-40℃~75℃
GNSS	Yes	Operating humidity	10% to 90% non-condensing
LED	Power, System, Wi-Fi, Cellular, Signal Strength	Installation	Desktop, Wall-mounted, Din-rail



04 ACCESSORIES

Accessories



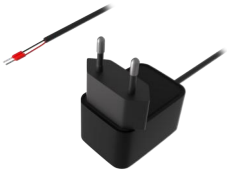
DIN Rail Mounting Bracket



L Type Mounting Bracket



Female DB9 Connector with Wires



EU Type Power Adatper 12V1A



Cellular SMA Antenna



GNSS SMA Antenna



Wi-Fi SMA Antenna



3.5mm 1*2 Terminal Block



Cellular SMA Magnetic Antenna



Ethernet Cable



Sim Eject Pin



3.5mm 1*7 Terminal Block