

NAVIGATEWORX

NR600-5G

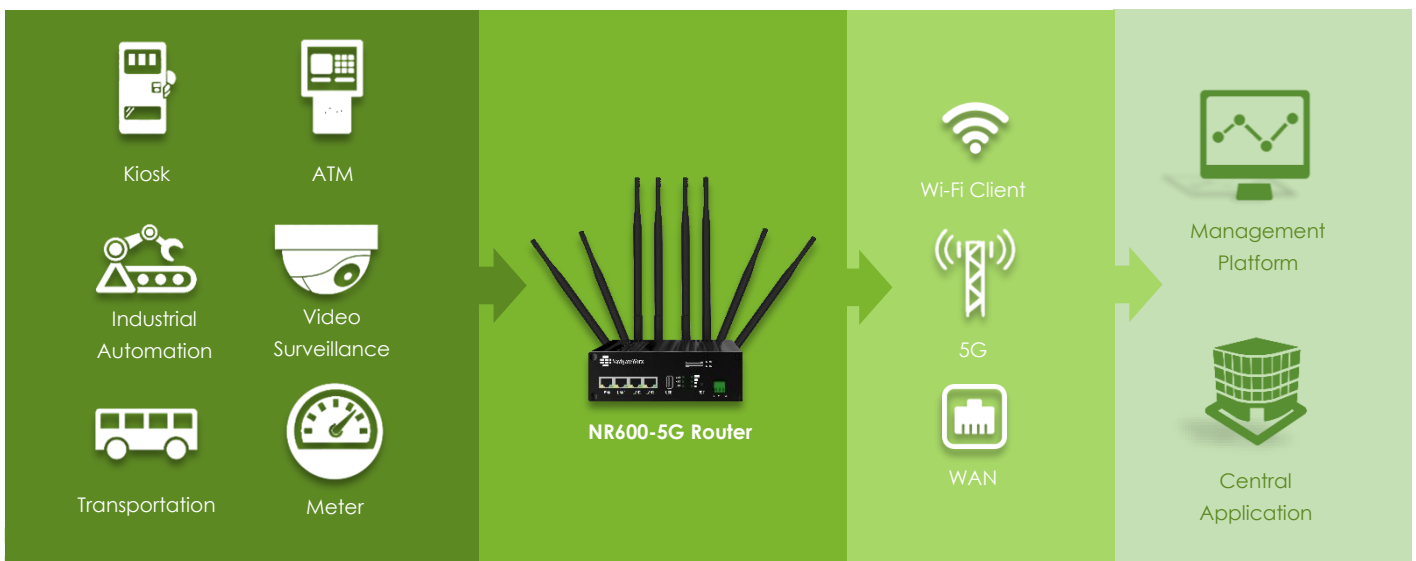


Industrial **5G** VPN Router, Dual SIM Failover,
High speed cellular 5G connectivity

Navigateworx NR600-5G industrial 5G VPN router enables wireless data connectivity over public and private 5G cellular networks.

NR600-5G router has dual SIM backup, 1 WAN and 3 LAN Ethernet ports, Dual band 2.4GHz and 5.8GHz Wi-Fi access, supports 12 to 48 VDC wide range power inputs, designed with reverse-voltage protection mechanism. It is an advanced choice for wireless M2M applications with reliable features for data transmission.

TYPICAL APPLICATION



Secure and reliable internet access

- Wireless Mobile Broadband **5G/4G/3G** Connection
- Connection manager ensure seamless communication
- Dual band 2.4GHz and 5.8GHz Wi-Fi access

Designed for industrial usage

- Power Input Range 12 to 48 VDC
- Industrial design for harsh environment
- Aluminum enclosure and wall mounting installation

Easy to use and easy maintenance

- User friendly web interface for user interaction
- Support Central Management Platform

SPECIFICATIONS

CELLULAR	
Frequency Bands	5G NR: n78, n79, n41 4G LTE: B1, B3, B5, B8, B34, B38, B39, B40, B41 3G: B1, B8 2G: 1800MHz/900MHz More Bands Demands please contact with us
SIM	2 x SIM slots, 1.8V / 3V
SIM Failover	Auto-switch cases: data limited, no network, network denied, data connection fail
Antennas	4 external antennas, SMA
ETHERNET	
Number of Ports	1 x WAN + 3 x LAN, Auto 10/100/1000 Mbps
Magnet Isolation Protection	1.5 KV
DUAL BAND Wi-Fi	
Wireless Mode	802.11a/b/g/n/ac 2*2 MIMO, supports AP and Client modes
Wireless Speed	5.8G: Up to 867Mbps 2.4G: Up to 300Mbps
Wireless Security	WPA, WPA2, WEP, CCMP, TKIP
Frequency Bands	5.15 – 5.825 GHz (5 GHz ISM band) 2.412 - 2.484 GHz (2.4 GHz ISM band)
Antennas	4 x RP-SMA
USB Host	
Standard	1 x USB2.0
Interface	Type A
POWER	
Connector	3-pin 3.5 mm female socket
Input Voltage Range	12 to 48 VDC
Power Consumption	Idle: 150 mA@12 V Data link: 400 mA (peak) @12 V
HARDWARE	
Built-in	Watchdog, RTC timer
LEDs	SYS, NET, USR, RSSI x 3
Reset Button	Reset/restore to factory default button
Ingress Protection	IP30
Housing & Weight	Aluminum, 650 g
Dimensions	TBD
Installations	Wall mounting
Operating Temperature	-40 °C to 75 °C
NETWORK	
Routing	Static routing
Network Protocols	TCP, UDP, IPv4, ICMP, NTP, DNS, HTTP, HTTPS, ARP, PPP, PPPoE, DHCP, IP Passthrough, VRRP
Connection Manager	Ping Detection, Timer Reboot, ICMP for link detection
Firewall	Flexible access control of TCP, UDP, ICMP packets, MAC address filter
DDNS	Supported some service providers, others can be configured manually
SMS	SMS Configuration, SMS Gateway, SMS Notification
VPN	
OpenVPN	OpenVPN server/client mode, client mode supports up to 5 x OpenVPN tunnels
GRE	Layer2 and Layer3, supports up to 5 x GRE VPN tunnels
IPsec	IKEv1, IKEv2, supports up to 5 x IPsec VPN tunnels

MONITORING & MANAGEMENT

Web GUI	HTTP/HTTPS, firmware upgrade
Command Line Interface	SSHv2 and TELNET



APP CENTER (Request on demand)

Dynamic Routing (Optional)	RIPv1/v2, OSPF, BGP
Management platform (Optional)	Central Management Platform
DMVPN (Optional)	Dynamic Multipoint Virtual Private Networking DMVPN
PPTP/L2TP (Optional)	PPTP or Point-to-Point Tunneling Protocol and L2TP or Layer 2 Tunneling Protocol (L2TP)
Modbus Master (Optional)	Run as Modbus Master and poll data from slave devices
IEC101 to 104 (Optional)	Run as protocol converter for IEC101 to 104
DLMS to IEC104 (Optional)	Run as protocol converter for DLMS to IEC104
DNP3 outstation (Optional)	Run as DNP3 outstation

APPROVAL

EMI	EN 55032:2012 Class B	
EMS	IEC 61000-4-2 ESD	Level 3
	IEC 61000-4-3 RS	Level 3
	IEC 61000-4-4 EFT	Level 3
	IEC 61000-4-5 Surge	Level 3
	IEC 61000-4-6 CS	Level 3
Vibration	EN50155	

ORDERING INFORMATION

MODEL	PART NUMBER	DESCRIPTION
 NR600-5G	A604500	5G, Dual SIMs, 4 x Eth, 1 x USB host, 12 - 48VDC
OPTIONAL ACCESSORIES		
 Power Supply	F001009	Power Supply Adapter, EU Plug, Input 100 to 240VAC, Output 12V DC 1.5A
	F001011	Power Supply Adapter, AU Plug, Input 100 to 240VAC, Output 12V DC 1.5A
	F001012	Power Supply Adapter, US Plug, Input 100 to 240VAC, Output 12V DC 1.5A
	F001013	Power Supply Adapter, UK Plug, Input 100 to 240VAC, Output 12V DC 1.5A
Wi-Fi Rubber Antenna	TBD	Wi-Fi Rubber Antenna
Wi-Fi Magnet Antenna	TBD	Wi-Fi Magnet Antenna, 3 Meters
5G Rubber Antenna	TBD	5G / 4G / 3G / 2G Rubber Antenna
5G Magnet Antenna	TBD	5G / 4G / 3G / 2G Magnet Antenna, 3 Meters Long

ABOUT NAVIGATEWORX

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