

Product Catalog 2025

IoT / M2M Devices & Solutions



Navigateworx Technologies

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Company Profile

Founded in 2015, NavigateWorx is a high-tech enterprise dedicated to providing secure wireless connectivity solutions. Our innovative 4G/5G industrial devices are trusted in over 85 countries and widely used across industries like Smart Grid, Smart City, Transportation, Industrial Automation, and Retail.

Our strength lies in delivering exceptional customization and practical solutions tailored to the diverse needs of IoT/M2M markets. With rich experience and professional expertise, we collaborate with global partners to advance wireless connectivity, integrate industrial protocols, and optimize data transmission for evolving technologies.

We aspire to be your most reliable IoT/M2M industry navigation partner.



NR500-Std Rugged LTE Routers

NR500 series is our star product. It features a rugged design that supports wired, cellular, and Wi-Fi network backup. It offers high reliability for network communication, enabling engineers to establish stable wired and wireless network connections. Three versions are available to meet different needs for state monitoring and remote maintenance across various IoT applications.

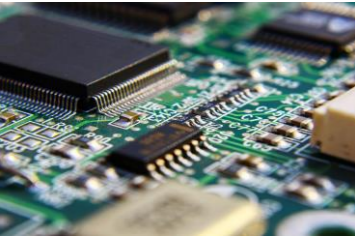




Industrial casing design and components with wide voltage input to meet harsh usage environments

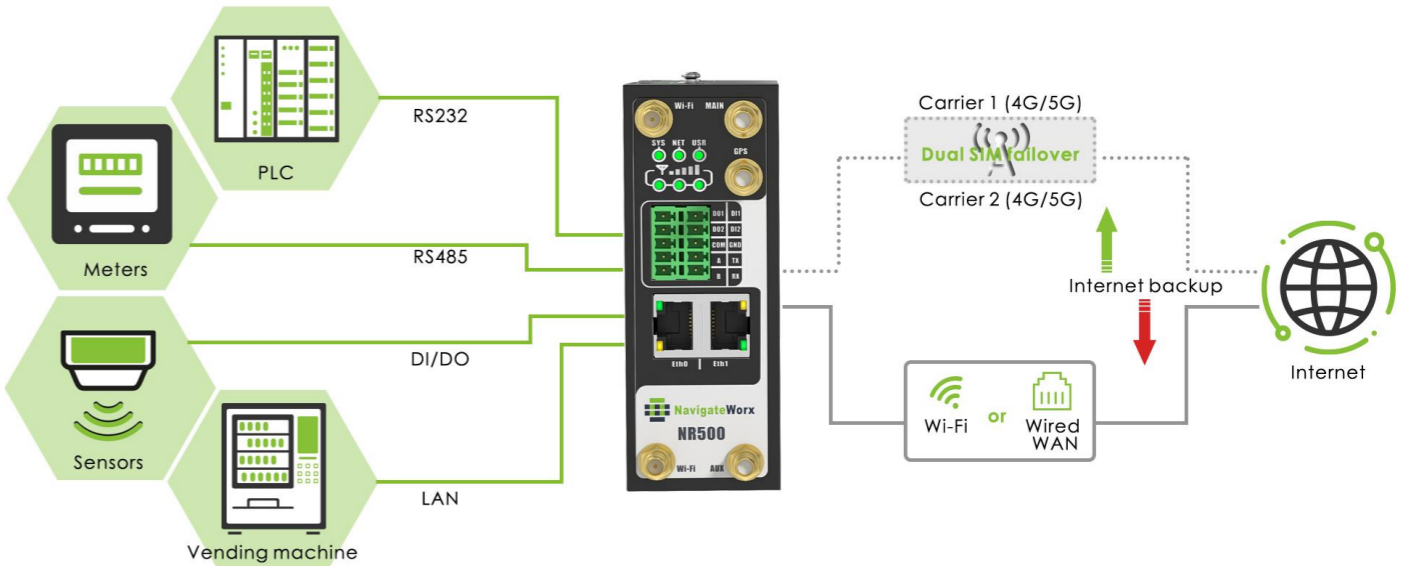
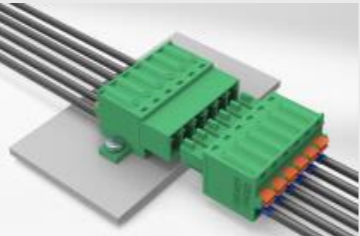
Rich features, multiple VPNs, SDKs to support secondary development applications, providing great flexibility





Self-developed software system, reliable hardware design, providing stable link connections and long-term stable operation

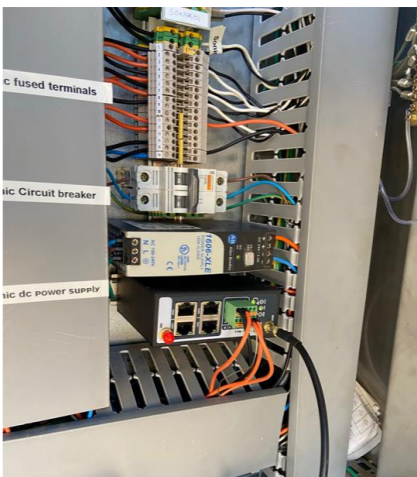
Industrial connector terminals enable easy assembly of various interfaces and connection of terminal devices, supporting multiple protocol conversions.



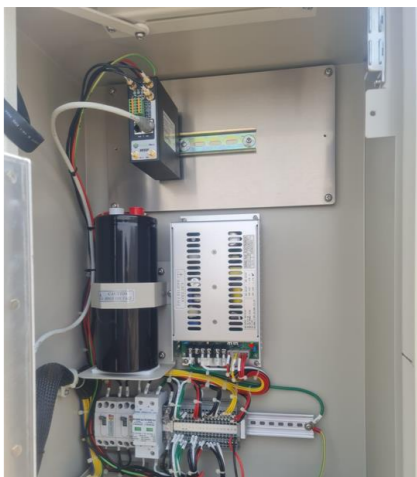
Site Photos



SAS Substation Automation System



Remote Gas Pipeline Monitoring via LTE



Substation IEC101-IEC104 Electricity System

Key Specifications

Items	Description
Cellular	4G/3G/2G
Interface	2 x SIM Slots, 1xWAN+1xLAN or 2xLAN, 1xRS232+1xRS485, 2xDI +2xDO
Protocol	Links failover, IP Passthrough, VRRP, DNP3.0, Modbus, DLMS, IEC101, IEC104, MQTT, BACnet
VPN	GRE, IPsec, L2TP, PPTP, DMVPN, OpenVPN, Wireguard
Remote Management	SNMPv1/v2/v3/, TR069, AAA, Captive Portal, DMP, 3 rd party Platform



NR500-Pro Rugged LTE Routers

NR500 PRO VPN router has dual SIM backup, 4 Ethernet ports, RS232 and RS485 interfaces are provided to support Serial to IP communication. GPS is optional based on LTE module capability. Supports 9 to 48 VDC wide range power inputs

NR500-NC Rugged Wired Router

NR500 NC router without cellular module, 2 or 4 LAN ports, RS232 and RS485 interfaces are provided to support Serial to IP communication. Supports 9 to 48 VDC wide range power inputs



Comparison Table

	NR500-Std	NR500-Pro	NR500-NC
Cellular	4G/3G/2G	4G/3G/2G	No
Ethernet Ports	2	4	2/4
Wi-Fi	Optional	Optional	Optional
GPS	Optional	Optional	No
RS232	1	1	1
RS485	1	1	1
DI	2	2	2
DO	2	2	2
Power Input	9 - 48 VDC	9 - 48 VDC	9 - 48 VDC
Working Temp.	- 40 To 75 °C	- 40 To 75 °C	- 40 To 75 °C
VPNs	OpenVPN, GRE, IPSec, L2TP, PPTP, DMVPN		
Config.	Local Configuration/SNMP/CLI Command/DMP		

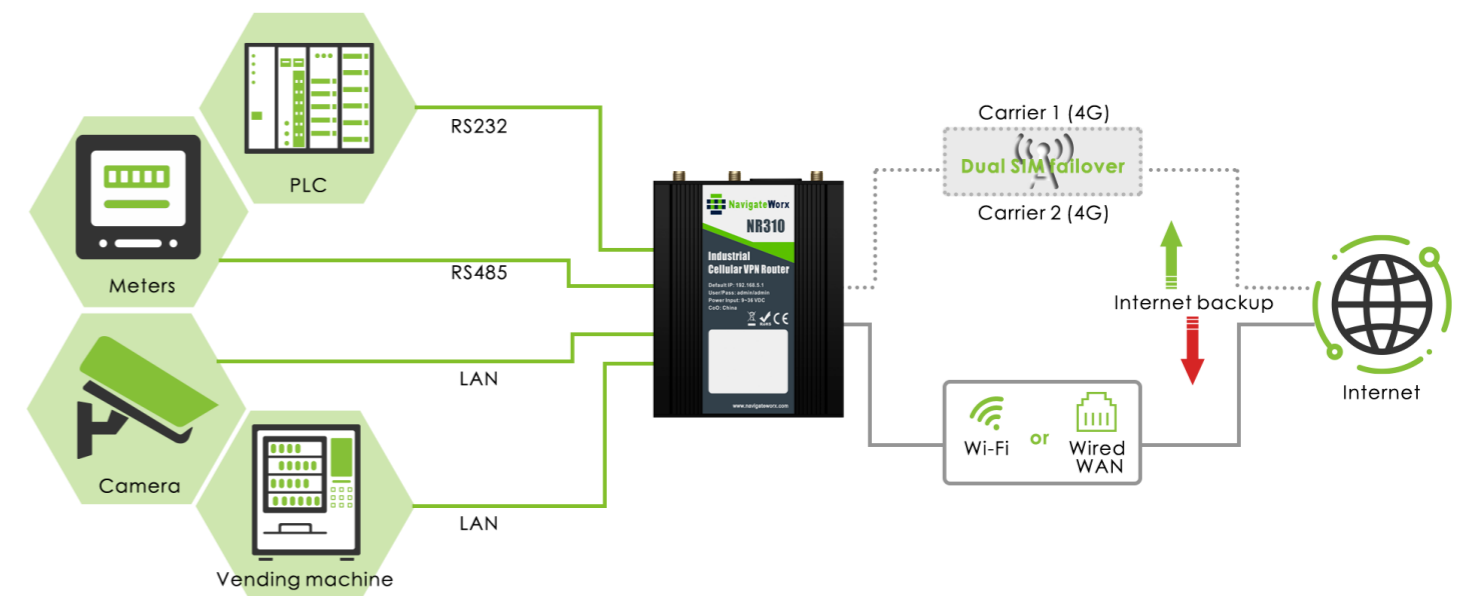
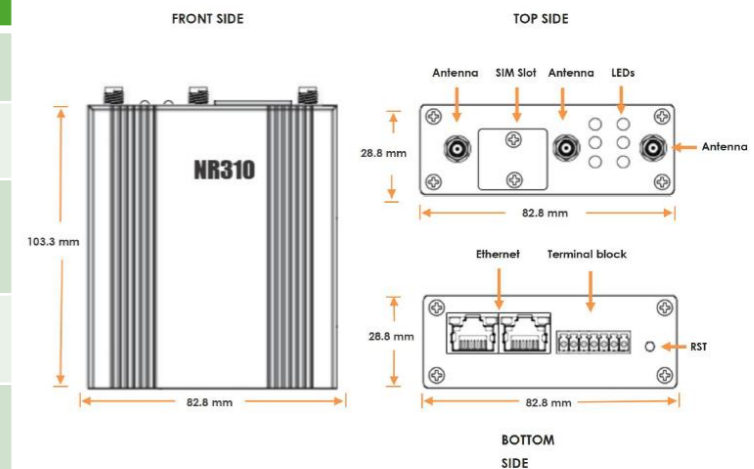
NR310 Versatile LTE Router

NR310 is a feature-rich and cost-effective industrial cellular VPN router. It has 2 Ethernet ports that enable secure and reliable wireless data connectivity over public and private LTE cellular networks and Wi-Fi integrated for wireless LAN connection.




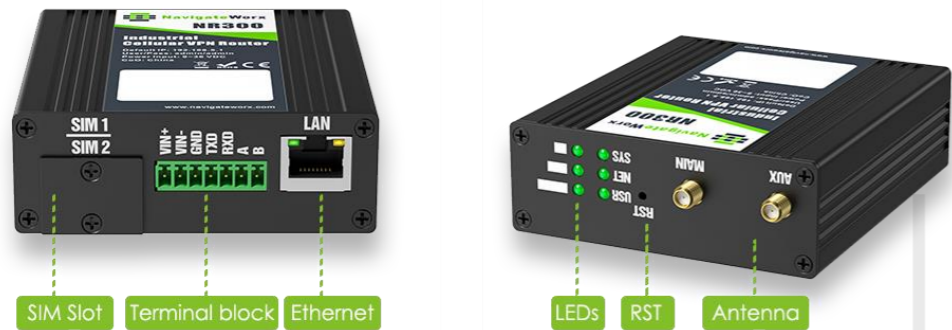
Key Specifications

Items	Description
Cellular	4G/3G/2G
Interface	2xSIM slots, 1xWAN+1xLAN or 2xLAN, 1xRS232+1xRS485
Protocol	Links failover, IP Passthrough, VRRP, DNP3.0, Modbus, DLMS, IEC101, IEC104, MQTT
VPN	GRE, IPsec, L2TP, PPTP, DMVPN, OpenVPN, Wireguard, Zerotier
Remote Management	SNMPv1/v2/v3/, TR069, AAA, Captive Portal, DMP, 3 rd party Platform

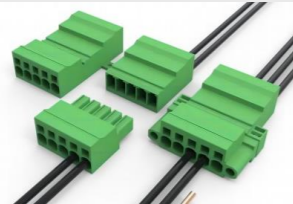


NR300 Compact LTE Router

NR300 is a compact, entry-level industrial cellular VPN router. Its small dimensions make it easily compatible with limited spaces from small cabinets to machines. The router supports 4G LTE and 3G connections, ensuring reliable performance for complex M2M applications while remaining budget-friendly.



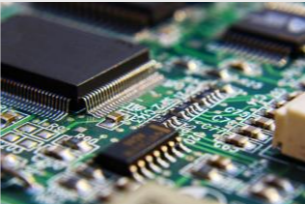
Dual SIM cards ensure stable and reliable connections



Multiple industrial interfaces and support various protocol conversions



LTE CAT4 module delivers high-speed network connectivity



Industrial-grade casing and components with wide voltage input for harsh environments

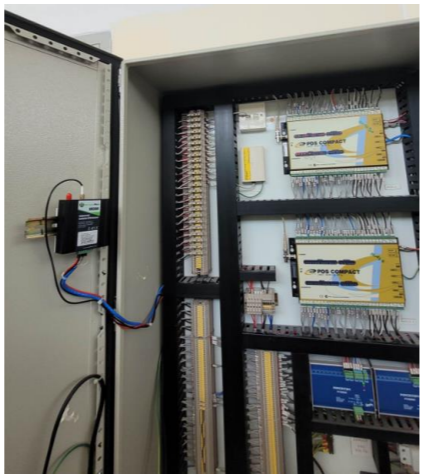
Site Photos



Automate Recloser and Sectionalizes



Power Station for SCADA System



Remote Pump Station Monitoring for Wastewater

Key Specifications

Items	Description
Cellular	4G/3G/2G
Interface	2xSIM slots, 1xLAN, 1xRS232+1xRS485
Protocol	Links failover, IP Passthrough, VRRP, DNP3.0, Modbus, DLMS, IEC101, IEC104, MQTT
VPN	GRE, IPsec, L2TP, PPTP, DMVPN, OpenVPN, Wireguard, Zerotier
Remote Management	SNMPv1/v2/v3/, TR069, AAA, Captive Portal, DMP, 3rd party Platform

Application Scenarios



SCADA System



Remote Monitoring



Industrial Automation



Vending Machine



5G SA & NSA
High-speed module,
Dual card switching



Supports 802.1ac
dual band Wi-Fi



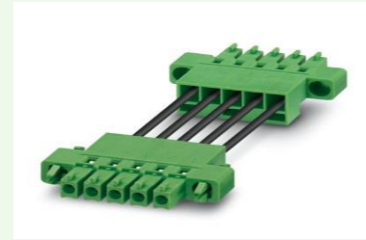
Support GNSS
satellite positioning

NR600-P5G 5G Edge Gateway

NR600-P5G is an advanced, full-featured edge gateway based on a 5G cellular network. It provides best-in-class performance in data transmission speed, multiple VPNs, and industrial protocol conversion. Additionally, we offer SDK for customers to integrate seamlessly into their systems.



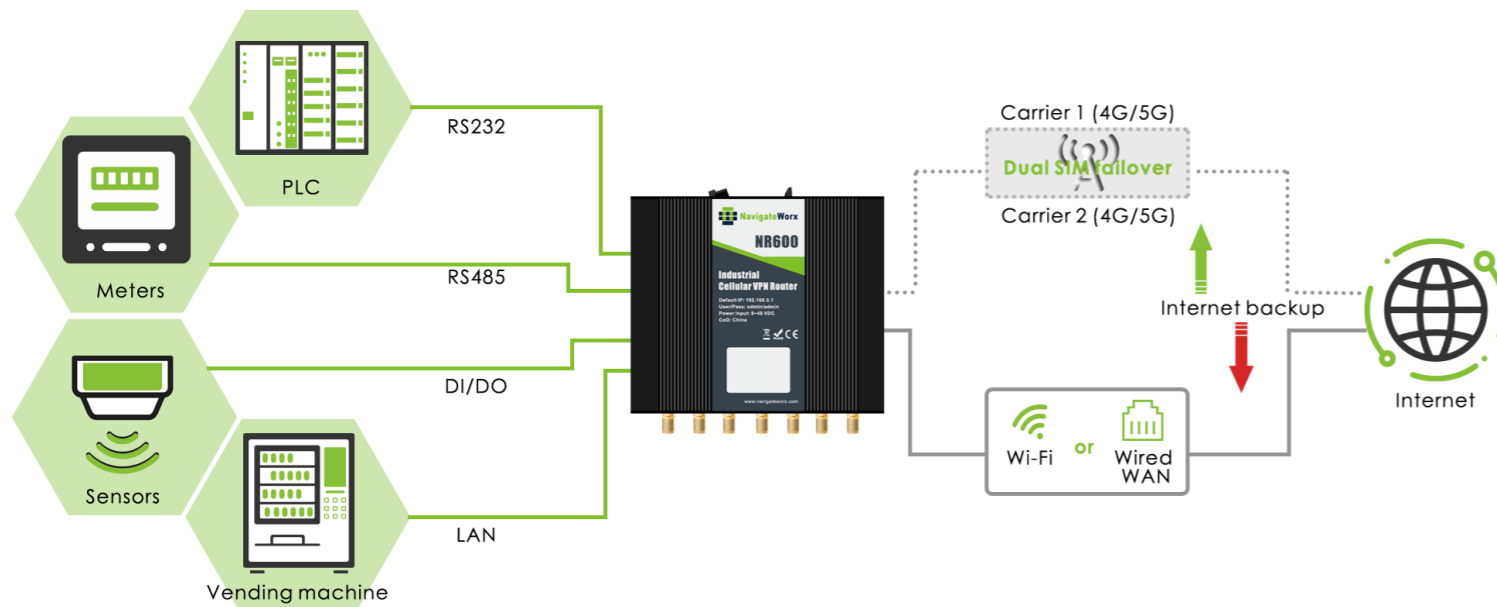
Industrial-grade casing
and components



Multiple industrial interfaces
protocol conversions



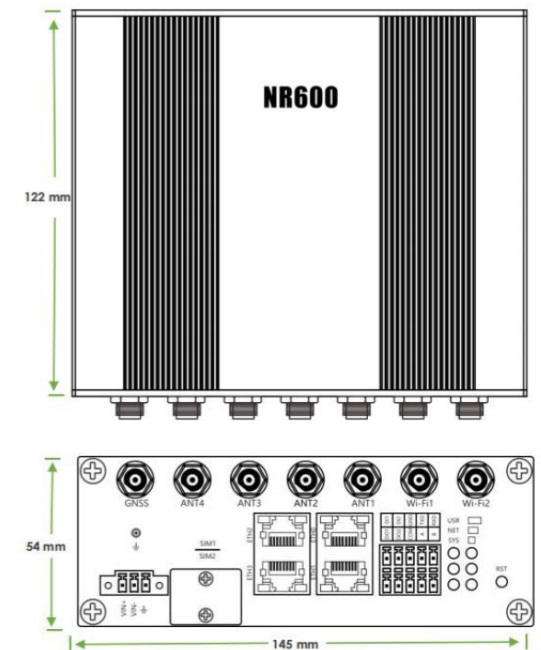
Multiple VPNs,
Open SDK to
secondary development



Key Specifications

Items	Description
Cellular	5G/4G/3G
Interface	2 x SIM slots, 1xWAN+3xLAN, 1xRS232+1xRS485, 2xDI +2xDO
Protocol	Links failover, IP Passthrough, VRRP, DNP3.0, Modbus, DLMS, IEC101, IEC104, MQTT
VPN	GRE, IPsec, L2TP, PPTP, DMVPN, OpenVPN, Wireguard, Zerotier
Remote Management	SNMPv1/v2/v3/, TR069, AAA, Captive Portal, DMP, 3 rd party Platform

NR600-P5G router has dual SIM backup, 1 WAN and 3 LAN Ethernet ports, Dual-band 2.4GHz and 5GHz Wi-Fi access, ports, RS232 and RS485 interfaces are provided to support Serial to IP communication, 2 x digital input and 2 x Digital output for alarm applications.




DMP

Device Management Platform

The Navigatworx Self-Developed Device Management Platform enables centralized and unified management of devices and data. It offers functions like monitoring running status, configuring parameters, performing mass firmware upgrades, and managing users.

Key Features




Cloud-based Deployment

It's a cloud-based software-as-a-service (SaaS) solution that allows customers to manage their devices in the cloud. It offers comprehensive management features for routers, including device statistics, monitoring, and maintenance.

Data Visualization

Features an intuitive dashboard interface for a quick overview of essential information and supports equipment maintenance.



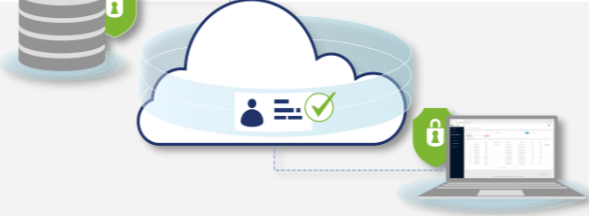


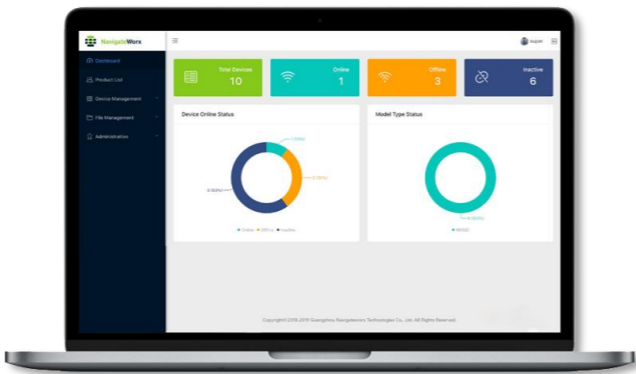
Batch Maintenance

One server can support over 10000+ simultaneous device connections, batch operations for firmware upgrades, and configuration updates with simple steps.

Secure Transmission

The connection between the device and the platform requires legal verification, ensuring that only authenticated devices can interact with the platform. Data transmission.





Accessories

Power Supply




F001009
Power Supply Adapter
EU Plug
Input 100 to 240VAC
Output 12VDC, 1.5A



F001011
Power Supply Adapter
AU Plug
Input 100 to 240VAC
Output 12VDC, 1.5A



F001054
Power Supply Adapter
US Plug
Input 100 to 240VAC
Output 12VDC, 1.5A




F001063
Power Supply Adapter
UK Plug
Input 100 to 240VAC
Output 12VDC, 1.5A

Wi-Fi Antenna




F001004
Wi-Fi Rubber Antenna
2.4G-2.483G, 5dbi
Φ 13×197mm, AC




F001005
Wi-Fi Magnet Antenna
3 Meters Long
2.4G - 2.483G, 7dbi
Φ 29×220mm, AC

Cellular Antenna



F001006
4G/3G/2G Rubber Antenna
698-960/1710-2170/2500-2700 MHz, 2dbi
Φ8×108mm, AC




F001006
4G/3G/2G Rubber Antenna
698-960/1710-2170/2500-2700 MHz, 2dbi
Φ8×108mm, AC

GPS Antenna



F001015
GPS Antenna
3 Meters Cable

Din Rail Kit



F004001
Din Railway Kit, 35 mm,
Aluminum with Black
Spray Surface
50 * 35 * 8.3 mm,
3 * M3.5 Screw Holes

Why Navigatworx



Profitable Alliance



Strong Customized Services



Comprehensive Technical Support



Efficient & Proactive Service

- ◆ Competitive agency prices, regional inquiry referrals, and territory protection.
- ◆ Stay attuned to customer needs, and develop and manage IoT solutions from hardware to software.
- ◆ Provide online support via Skype, TeamViewer, or even Onsite Support, Technical Training for products and applications.
- ◆ Communicate thoughtfully with customers and effectively coordinate internal resources to address requests promptly.