

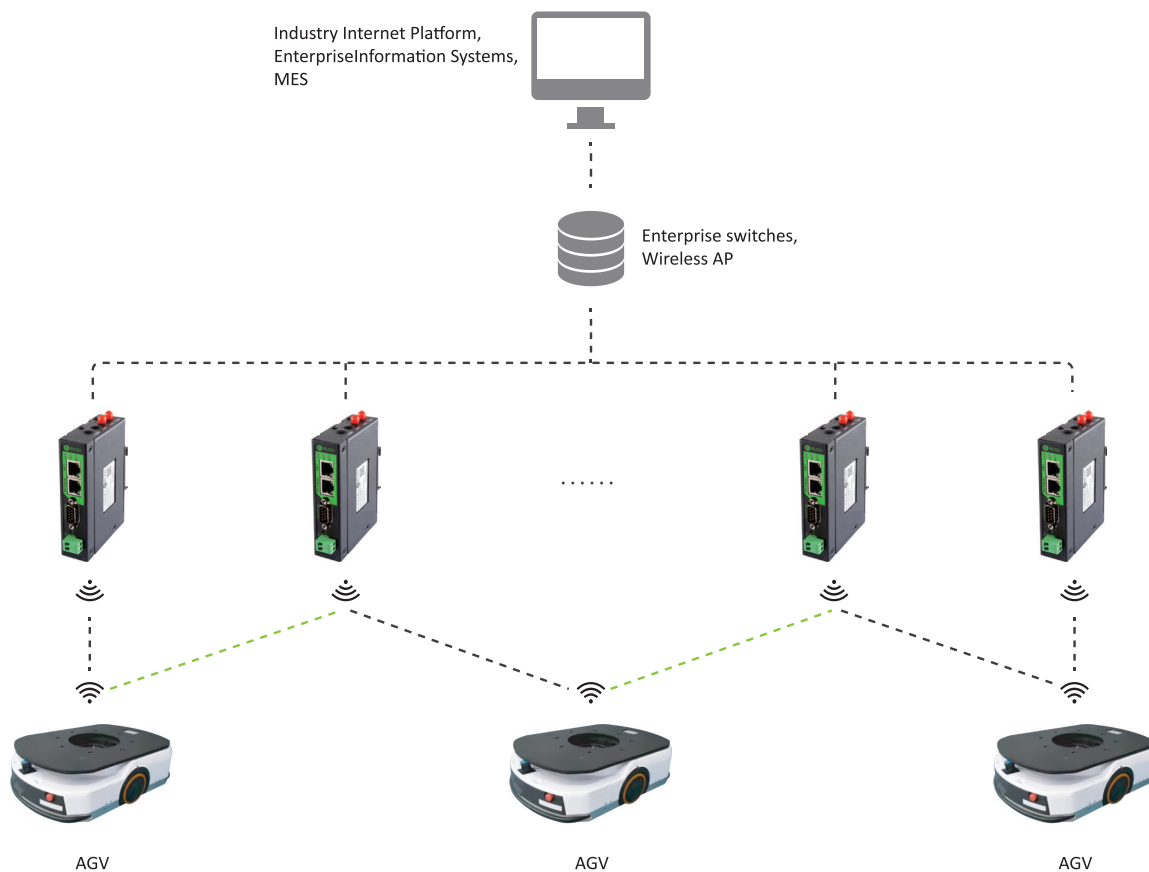
EDGE-R0 SERIES

PRODUCT DESCRIPTION

The EDGE-R series is a new wireless industrial routing product for the industrial internet and IoT. The product combines different versions that can support broadband network and WiFi network connection services to ensure the target devices fulfill industrial internet applications such as network access, protocol resolution, and data interconnection.

The product provides standard industrial wireless networking solutions for typical industrial wireless dispatching scenarios of various types AGV vehicle scheduling solutions to meet the user's on-site wireless AP roaming enhancement needs, and at the same time support dual-frequency WIFI networking to achieve on-site 2.4GHz and 5GHz dual-frequency AP networking scheduling solutions for matching applications, suitable for intelligent manufacturing, warehousing and logistics, transportation, electric power and other industries.

PRODUCT DESCRIPTION



EDGE-R0 series industrial routing products adopt embedded design, the products are safe and stable. It can work in the customer's site for a long time. The device connects with vehicle control system through LAN, RS232 or RS485 port, transmits data to enterprise management system through industrial wireless network, realizes industrial site AGV scheduling networking, command control and data return, effectively reduces the work intensity of material distribution and feeding personnel, and interfaces with production management system to efficiently realize on-site logistics JIT, improve the ability to guarantee operational continuity, and help to steadily improve production efficiency. Stable improvement of production efficiency.

EDGE-R0 SERIES

PRODUCT FEATURES

- Embedded design, product safety and stability, 7*24 h uninterrupted work
- Embedded design, the product is safe and stable, and ensures the uninterrupted operation for 7*24 h
- Wide voltage DC 10 ... 30 V input, support over-current and reverse connection protection
- Adopts WiFi6 and Ethernet network communication
- Supports 2 x 2 MIMO, which enables AP to communicate with multiple terminals at the same time
- Has omni-directional antenna, supports full-network data transmission, and meets most of the usage scenarios in industrial sites
- Has Gigabit Ethernet port, supports 1 WAN port and 1 LAN/WAN port
- Supports 2.4G and 5G dual-antenna band SMA interface
- Supports 1 RS232 and 1 RS485
- Has Reload button, which can be long-pressed to restore the factory settings of the device
- Has LED indicators for power, system operation status and WiFi networking status
- Has rich routing functions, supports VLAN, and supports local Web configuration management page, which can be easily viewed and configured for industrial routing
- Supports seamlessly roam, switching time < 100 ms
- Supports both AP and STA WiFi modes, and as an AP, it can support more than 8 clients to connect
- Supports multiple client WiFi connection encryption: PSK /TKIP/AES encryption, WEP encryption (64-bit and 128-bit), WPA/WPA2 enterprise version, WPA/WPA2 personal version
- Supports MODBUS, MQTT, TCP, UDP and other transmission protocols
- Supports online upgrade, threshold setting, watchdog monitoring, and comes with abnormal restart mechanism to prevent equipment downtime and ensure stable operation

EDGE-R0 SERIES

POWER PARAMETER

POWER SUPPLY	DC 10 ... 30 V, typical DC 24 V, supports overcurrent and reverse connection protection
POWER CONSUMPTION	18W(Max)

INTERFACE PARAMETER

POWER CONNECTOR	Fed from the terminal
RS485*1	2-wire (A/B)
	Electrical isolation Support
	Baud rate 2400 ... 115200 bps
	Data bits 7, 8 bits
	Stop Bit 1, 2 bits
	Check Bit None, Even, Odd
	Frame length Minimum 6 Byte, Maximum 499 Byte
RS232*1	3-wire (RX/TX/GND)
	Electrical isolation Support
	Baud rate 2400 ... 115200 bps
	Data bits 7, 8 bits
	Stop Bit 1, 2 bits
	Check Bit None, Even, Odd
	Frame length Minimum 6 Byte, Maximum 499 Byte
RJ45	Support 10 / 100 / 1000 M adaptive
	2 network ports (optional)
	5 network ports (optional)
	9 network ports (optional)
SMA*2	Antenna terminal with external screw and internal hole, impedance matched to 50 Ω
RELOAD BUTTON	Press and hold for about 5 seconds to restore the device to its default configuration and reboot the device
INDICATOR LIGHT	3 device operating status indicators, PWR, SYS, WiFi
GROUND PROTECTION	The grounding screw

EDGE-R0 SERIES

WIRELESS PARAMETER

WIRELESS COMMUNICATION	WiFi
WIRELESS STANDARD	Support IEEE802.11a/b/g/n/ac/ax
OPERATING FREQUENCY	2.4 / 5 GHz
DL MU-MIMO	2 x 2
WIFI MODLE	AP / STA
SEAMLESSLY ROAM	Supports seamlessly roam, switching time < 100 ms
CLIENT CONNECTION	8+
NUMBE	Omnidirectional antennas 3 dBi

MECHANICAL PARAMETER

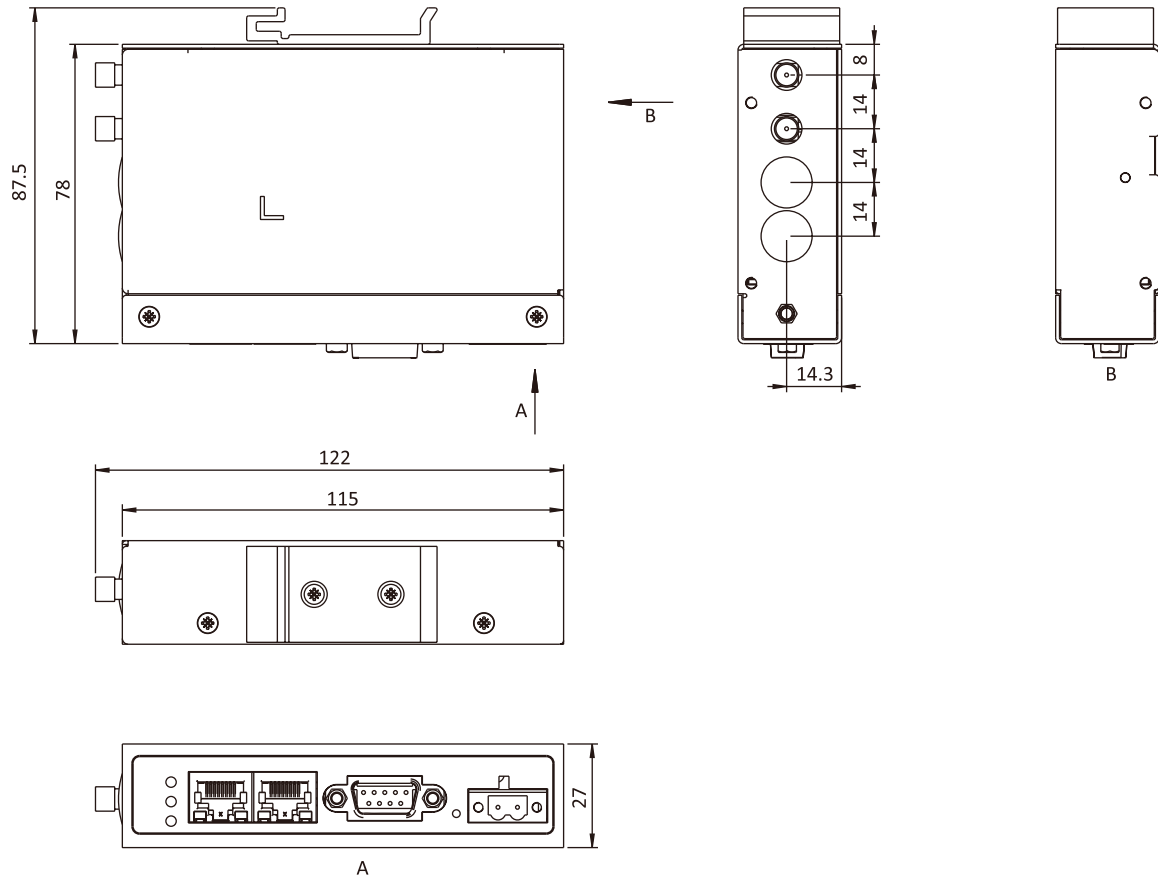
PRODUCT SIZE (L*W*H)	2 network ports	115 x 78 x 27 mm
	5 network ports	125 x 112 x 38.5 mm
	9 network ports	125.5 x 112 x 43.5 mm
INSTALLATION	Rail mounting	

ENVIRONMENTAL CONDITIONS

OPERATING TEMPERATURE / HUMIDITY	-25 ... +70 °C / 0 ... 95% RH No condensation
STORAGE TEMPERATURE / HUMIDITY	-35 ... +85 °C / 0 ... 95% RH No condensation
PROTECTION CLASS	IP20
EMC CLASS	Class 3

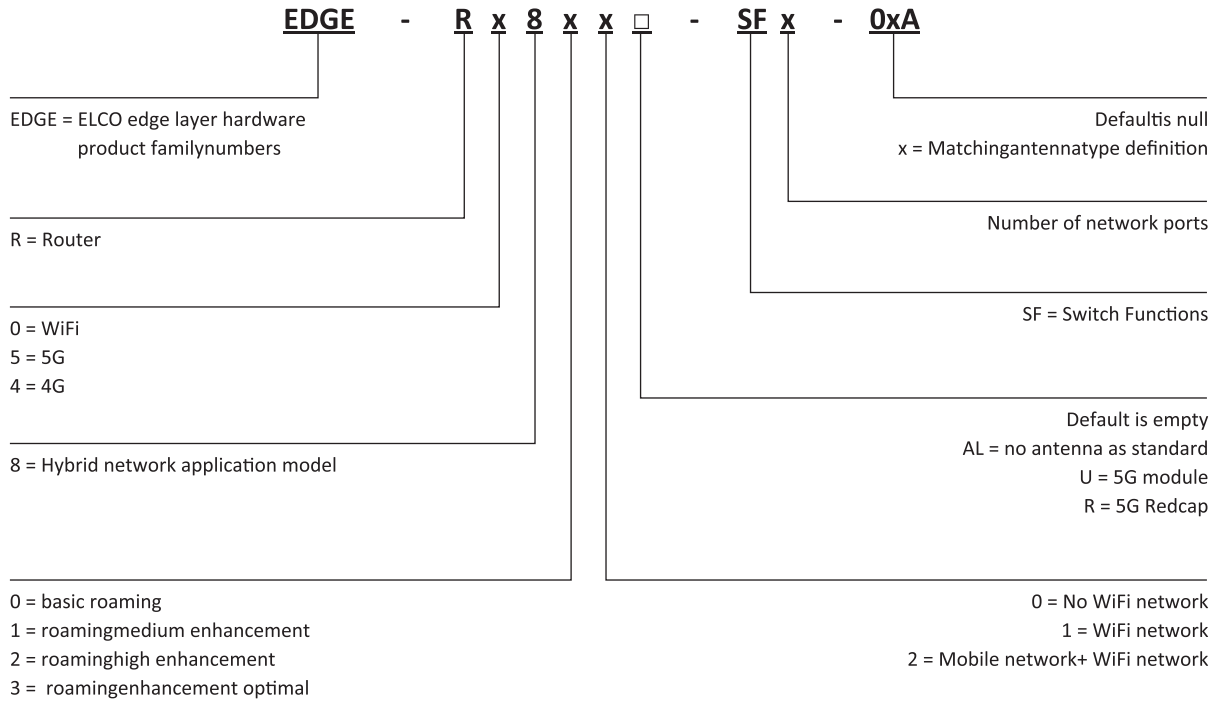
EDGE-R0 SERIES

DIMENSIONS



EDGE-R0 SERIES

ORDER CODE



EDGE-R0 SERIES

SALES AND SERVICE

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