Industrial LoRaWAN Gateway

Model	Cellular	SIM	Cellular Antenna	Ethernet	Serial	CAN	Analog Input	USB	I/O	Bluetooth	MicroSD	GNSS	POE	LED Indicators	Wi-Fi	Power Supply Input Range	Mounting	Dimension Weight	Operating Temperature	Approval	Software	Firmware Upgrade
R3000-LG4L	4G FDD LTE/TDD LTE	2	2	2 x LAN or 1 x WAN 1 x LAN	1 x RS232 or 1 x RS485	N/A	N/A	1 x USB	2 x DI	N/A	1	Optional	N/A	1	6 includes RUN, MDM, USR, RSSI, NET, SIM	N/A	9 to 60 VDC	Din-Rail Wall-Mount Desktop	125 x 104 x 43.5mm, 570g, Metal housing	-40 to +75°C	CE, UKCA, RCM, FCC, PTCRB, IC AT&T RoHS 2.0, WEEE	VPN/RobustVPN Routing Protocol Firewall SDK + APP	Web/CLI/SMS/RCMS
LG5100	4G FDD LTE/TDD LTE	2	2	2 x LAN or 2 x WAN or 1 x LAN 1 x WAN	2 x RS232/RS485 (software configurable)	N/A	N/A	1 x USB	2 x DI 2 x DO	N/A	N/A	N/A	1 x PD 802.3af	1 x RUN, 1 x MDM, 1 x USR, 1 x Signal	N/A	9 to 60 VDC	Din-Rail Wall-Mount Desktop	49 x 105 x 128mm, 555g, Metal housing	-40 to +70°C	CE, UKCA, RCM, CB, RoHS 2.0,WEEE	VPN/RobustVPN Routing Protocol Firewall SDK + APP	Web/CLI/SMS/RCMS

5G IoT Routers

Model	Cellular	SIM	Cellular Antenna	Ethernet	Serial	CAN	Analog Input	USB	I/O	Bluetooth	MicroSD	GNSS	POE	LED Indicators	Wi-Fi	Power Supply Input Range	Mounting	Dimension Weight	Operating Temperature	Approval	Software	Firmware Upgrade
R5020-5G	5G NR/4G FDD LTE/TDD LTE	2	4	4 x LAN or 1 x WAN 3 x LAN 1,000 Mbps	1 x RS232 or 1 x RS485	N/A	N/A	1 x USB	1 x DI 1 x DO	N/A	Optional	Optional	1 x PD port 802.3at	6 includes 1 x RUN, 1 x MDM, 1 x USR, 1 x RSSI, 1 x Net, 1 x WiFi	Optional, supports AP and Client mode	9 to 36 VDC (POE-PD) 10 to 30 VDC (ACC)	Din-Rail Wall-Mount Desktop	125 x 100 x 48mm, 500g, Metal housing	-20~+55°C (Normal) -25~+70°C (Extended)	CE, CB, RCM, POSTEL, CCC, E-Mark, TDRA, FCC, IC, PTCRB, SIRIM, UKCA, CRC, SUBTEL, MTC, ENACOM, URSEC, ARCOTEL, NTC* RoHS 2.0, WEEE (* In progress)	VPN/RobustVPN Routing Protocol Firewall SDK + APP	Web/CLI/SMS/RCMS
R5020-Lite	5G NR/4G FDD LTE/TDD LTE	2	4	2 LAN by default, can be configured as 1 WAN + 1 LAN	1 x RS232 or 1 x RS485 (software configurable)	N/A	N/A	1 x USB	1 x DI 1 x DO	N/A	N/A	N/A	N/A	1 x RUN, 1 x MDM, 1 x USR, 1 x RSSI, 1 x Wi-Fi 2.4G, 1 x Wi-Fi 5G	AP and Client mode	12 to 36 VDC	Din-Rail Wall-Mount Desktop	136 x 115 x 32 mm, 475g,	-20~+55°C (Normal) -25~+70°C (Extended)	SIRIM AT&T RoHS 2.0, WEEE (* In progress)	VPN/RobustVPN Routing Protocol Firewall SDK + APP	Web/CLI/SMS/RCMS

Industrial Edge Computing Gateway

Model	Cellular	SIM	Cellular Antenna	Ethernet	Serial	CAN	Analog Input	USB	I/O	Bluetooth	MicroSD	GNSS	POE	LED Indicators	Wi-Fi	Power Supply Input Range	Mounting	Dimension Weight	Operating Temperature	Approval	Software	Firmware Upgrade
EG5100	4G FDD LTE/TDD LTE	2	2	2 x LAN or 2 x WAN or 1 x LAN 1 x WAN	2 x RS232/RS485 Or 1 x RS232/RS485 (software configurable) 1 x CAN			1 x USB	2 x DI 2 x DO	Optional	N/A	Optional	N/A	4 includes RUN, MDM, USR, Signal	Optional, supports AP and Client mode	9 to 60 VDC	Din-Rail Wall-Mount Desktop	49 x 105 x 128mm, 567g, Metal housing	-40 to +70°C	CE, UKCA, RCM, CB, FCC, IC, Telec, JATE, NTC* RoHS 2.0, WEEE (* In progress)	VPN/RobustVPN Routing Protocol Firewall SDK + APP	Web/CLI/SMS/RCMS
EG5120	5G NR/4G FDD LTE/TDD LTE	2	2 (4G) 4 (5G)	2 x LAN or 2 x WAN or 1 x LAN 1 x WAN 1,000Mbps	2 x RS232/RS485 (software configurable)	N/A	N/A	1 x USB	2 x DI 2 x DO	Optional	1	Optional	N/A	4 includes RUN, MDM, USR, Signal	Optional, supports AP and Client mode	9 to 60 VDC	Din-Rail Wall-Mount Desktop	49 x 105 x 128mm, 567g, Metal housing	-40 to +70°C	CE, UKCA, RCM, CB, FCC, IC, Telec, JATE, PTCRB*, UL*, TDRA, NTC* AT&T*, VERIZON*, RoHS 2.0, WEEE (* In progress)	VPN/RobustVPN Routing Protocol Firewall SDK + APP	Web/CLI/SMS/RCMS
EG5101	4G FDD LTE/TDD LTE	2	1	1 x LAN or 1 x WAN	1 x RS232 1 x RS485	N/A	1	N/A	N/A	N/A	N/A	N/A	N/A	4 includes RUN, MDM, USR, RSSI	N/A	9 to 36 VDC	Din-Rail Wall-Mount Desktop	134.8 x 105 x 32mm, 374g Metal housing	-20~70°C	CE*, RCM*, UKCA*, CB* RoHS 2.0, WEEE	VPN/RobustVPN Routing Protocol Firewall SDK + APP	Web/CLI/RCMS
EG5200	4G FDD LTE/TDD LTE	2	2	5 x LAN/WAN 1,000 Mbps	2 x RS232/RS485 (software configurable)	3	2 x DI 2 x DO	Optional	1	Optional	N/A			6 includes RUN, MDM, 2 x USR, Signal, VPN	Optional, supports AP and Client mode	9 to 60 VDC	Din-Rail Wall-Mount Desktop	60 x 105 x 128mm 622g Metal housing	-30~70°C	CE*, RCM*, UKCA*, CB* RoHS 2.0, WEEE	VPN/RobustVPN Routing Protocol Firewall SDK + APP	Web/CLI/SMS/RCMS

Elevator Voice Gateway

Model	Cellular	SIM	Cellular Antenna	Ethernet	Serial	CAN	Analog Input	USB	I/O	Bluetooth	MicroSD	GNSS	POE	LED Indicators	Wi-Fi	Power Supply Input Range	Mounting	Dimension Weight	Operating Temperature	Approval	Software	Firmware Upgrade
EV8100	4G FDD LTE/TDD LTE	2	2	2 x LAN or 2 x WAN or 1 x LAN 1 x WAN	1 x RS232 1 x RS485	1 x CAN		1	4 x DI 1 x DO	Optional	N/A	N/A	N/A	7 includes Battery, RUN, Line, MDM, RSSI, Cloud, Device	Optional, support AP and Client mode	9 to 30 VDC	Din-Rail Wall-Mount Desktop	170 x 150 x 35mm 470g Plastic housing	-20 ~ 60 °C (Without battery) 0 ~ +45 °C (With battery) Note: The battery can be charged at 0~35°C	CE*, RCM*, UKCA*, JATE*, TELEC*, RoHS 2.0, WEEE	VPN/RobustVPN Routing Protocol Firewall SDK + APP	Web/CLI/SMS/RCMS

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info@robustel.com
www.robustel.com

R3000 Cellular Routers

Model	Cellular	SIM	Cellular Antenna	Ethernet	Serial	CAN	Analog Input	USB	I/O	Bluetooth	MicroSD	GNSS	POE	LED Indicators	Wi-Fi	Power Supply Input Range	Mounting	Dimension Weight	Operating Temperature	Approval	Software	Firmware Upgrade
R3000-4L	4G FDD LTE/TDD LTE	2	2	2 x LAN or 1 x WAN 1 x LAN	1 x RS232 & 1 x RS485 or 2 x RS232	N/A	N/A	1 x USB host	2 x DI 2 x DO	N/A	N/A	1	Optional	6 includes RUN, PPP, USR, RSSI, NET, SIM	Optional, supports AP and Client mode	9 to 60 VDC	Din-Rail Wall-Mount Desktop	125 x104 x 43.5 mm, 570g, Metal housing	-40 to +75°C	CE, UKCA, FCC, UL, PTCRB, IC, RCM, E-Mark, Telec, JATE, IMDA, ICASA, CRC, MTC, Anatel ENACOM, ASEP, NOM, SIRIM, Rogers, AT&T, Verizon, RoHS 2.0, WEEE	VPN/RobustVPN Routing Protocol Firewall SDK + APP	Web/CLI/USB/SMS/RCMS
R3000-L4L	4G FDD LTE/TDD LTE	2	2	1 x LAN	1 x RS232 & 1 x RS485						N/A	N/A	N/A	6 includes RUN, PPP, USR, 3 x RSSI	N/A	9 to 36 VDC	Din-Rail Wall-Mount Desktop	105 x98 x 29.5 mm, 305g, Metal housing	-40 to +75°C	CE, UKCA, RCM, Telec, CPC, SUBTEL, MTC, ENACOM, CB, JATE, SIRIM, ANATEL, URSEC RoHS 2.0, WEEE	VPN/RobustVPN Routing Protocol Firewall SDK + APP	Web/CLI/USB/SMS/RCMS

R2000 Cellular Routers

Model	Cellular	SIM	Cellular Antenna	Ethernet	Serial	Analog Input	USB	I/O	Bluetooth	MicroSD	POE	LED Indicators	GNSS	Wi-Fi	Power Supply Input Range	Mounting	Dimension Weight	Operating Temperature	Approval	Software	Firmware Upgrade
R2010-4L	4G TDD/FDD LTE	2	1 or 2	2 x LAN or 1 WAN 1 x LAN	1 x RS232 or 1 x RS485 (software configurable)	N/A	N/A	1 x DI 1 x DO	N/A	N/A	Optional, 1 x PD 802.3at	6 includes 1 x RUN, 1 x MDM, 1 x WiFi, 3 x RSSI	N/A	Supports AP and Client mode	9 to 36 VDC	Din-Rail Wall-Mount Desktop	127 x 82 x 30 mm, 350g, Metal housing	-35 to +75°C	CE, UKCA, RCM, Telec, JATE, E-Mark, FCC, IC, TDRA, PTCRB, URSEC, ENACOM ANATEL*, CRC, SUBTEL, MTC, ARCOTEL, NTC* AT&T RoHS 2.0, WEEE (* In progress)	VPN/RobustVPN Routing Protocol Firewall SDK + APP	Web/CLI/SMS/RCMS
R2011-4L	4G TDD/FDD LTE	2	1 or 2	1 x WAN 4 X LAN or 5 x LAN	N/A	N/A	N/A	1 x DI 1 x DO	N/A	N/A	Optional, 1 x PD 802.3at	6 includes 1 x RUN, 1 x MDM, 1 x WiFi, 3 x RSSI	N/A	Supports AP and Client mode	9 to 36 VDC	Din-Rail Wall-Mount Desktop	127 x 82 x 30 mm, 350g, Metal housing	-35 to +75°C	CE, UKCA, RCM, TDRA, E-MARK, FCC, AT&T, IC, ANATEL* RoHS 2.0, WEEE (* In progress)	VPN/RobustVPN Routing Protocol Firewall SDK + APP	Web/CLI/SMS/RCMS
R2110-4L	4G TDD/FDD LTE	2	2	1 x WAN 3 x LAN 1,000 Mbps	1 x RS232 1 x RS485	N/A	1 x USB host	1 x DI 1 x DO 1 x ACC	Optional BLE 5.0 Compatible with BLE 4.2, BLE 4.0	1		6 includes 1 x RUN, 1 x MDM, 1 x USR, 1 x RSSI, 1 x NET, 1 x WiFi	Optional, supports AP	Optional	9 to 36 VDC (POE-PD) 10 to 30 VDC (ACC)	Din-Rail Wall-Mount Desktop	125 x 100 x 48mm, 500g, Metal housing	Normal operation: -20 to +55°C Extended operation: -25 to +70°C	CE, UKCA, E-Mark, RCM, ICASA, Telec, JATE, NTC* RoHS 2.0, WEEE (* In progress)	VPN/RobustVPN Routing Protocol Firewall SDK + APP	Web/CLI/SMS/RCMS

R1500 Cellular Routers

Model	Cellular	SIM	Cellular Antenna	Ethernet	Serial	Analog Input	USB	I/O	Bluetooth	MicroSD	POE	LED Indicators	GNSS	Wi-Fi	Power Supply Input Range	Mounting	Dimension Weight	Operating Temperature	Approval	Software	Firmware Upgrade
R1510-4L	LTE Cat-1/4G TDD/FDD LTE	1	2	1 x WAN 1 X LAN or 2 x LAN	N/A	N/A	N/A	1 x DI 1 x DO	N/A	N/A		5 includes 1 x RUN, 1 x MDM, 1 x RSSI, 1 x WiFi	N/A	Supports AP and Client mode	9 to 36 VDC	Din-Rail Wall-Mount Desktop	91.5 x 91.5 x 31.5 mm, 150g, Plastic housing	-25 to +70°C	CE, UKCA, RCM, Telec, TDRA, JATE, ICASA, CRC, URSEC, CB, NOM, E-Mark, SIRIM, RoHS 2.0, WEEE	VPN/RobustVPN Routing Protocol Firewall SDK + APP	Web/CLI/SMS/RCMS
R1511-4L	LTE Cat-1/4G TDD/FDD LTE	1	2	1 x WAN 1 X LAN or 2 x LAN	1 x RS232 or 1 x RS485	N/A	N/A	1 x DI 1 x DO	N/A	N/A		5 includes 1 x RUN, 1 x MDM, 1 x USR, 1 x RSSI, 1 x WLAN	N/A	Supports AP and Client mode	9 to 36 VDC	Din-Rail Wall-Mount Desktop	91.5 x 91.5 x 31.5mm 150g, Plastic housing	-25 to +70°C	CE, UKCA, RCM, PTCRB, FCC, IC, Telec, JATE, CB AT&T, Verizon, RoHS 2.0, WEEE	VPN/RobustVPN Routing Protocol Firewall SDK + APP	Web/CLI/SMS/RCMS
R1520-4L(p)	4G TDD/FDD LTE	2	2	1 x WAN 4 X LAN or 5 x LAN	1 x RS232 or 1 x RS485	1	1	1 x DI 1 x DO	N/A	N/A	1 x PD port 802.3at	5 includes 1 x RUN, 1 x MDM, 1 x USR, 1 x RSSI, 1 x WiFi	Yes	Supports AP and Client mode	9 to 36 VDC	Din-Rail Wall-Mount Desktop	105 x 90 x 46 mm, 250g, Plastic housing	-25 to +70°C	CE, UKCA, FCC, RCM, Telec, JATE, IC, E-Mark, TDRA, SIRIM, ICASA, CB, RoHS 2.0, WEEE,	VPN/RobustVPN Routing Protocol Firewall SDK + APP	Web/CLI/SMS/RCMS
R1520-4L(r)	4G TDD/FDD LTE	2	2	1 x WAN 4 X LAN or 5 x LAN	1 x RS232 or 1 x RS485	1	1	1 x DI 1 x DO	N/A	N/A	1 x PD port 802.3at	5 includes 1 x RUN, 1 x MDM, 1 x USR, 1 x RSSI, 1 x WiFi	Yes	Supports AP and Client mode	9 to 36 VDC	Din-Rail Wall-Mount Desktop	105 x 90 x 46 mm, 250g, Plastic housing	-25 to +70°C	CE, UKCA, FCC, RCM, Telec, JATE, IC, E-Mark, TDRA, SIRIM, ICASA, CB, RoHS 2.0, WEEE,	VPN/RobustVPN Routing Protocol Firewall SDK + APP	Web/CLI/SMS/RCMS
R1520-4L Global	4G TDD/FDD LTE	2	2	1 x WAN 4 X LAN or 5 x LAN	1 x RS232 1 x RS485	1	1	1 x DI 1 x DO	N/A	N/A	1 x PD port 802.3at	5 includes 1 x RUN, 1 x MDM, 1 x USR, 1 x RSSI, 1 x WiFi	Yes	Supports AP and Client mode	9 to 36 VDC	Din-Rail Wall-Mount Desktop	105 x 90 x 46 mm, 250g, Plastic housing	-25 to +70°C	E-Mark, RCM, CE, UKCA, FCC, ICASA, IC, NTC, IMDA, NBTC, SIRIM, MTC, PTCRB, Anatel, SUBTEL, KC, CRC, ENACOM, URSEC, NOM, TDRA, POSTEL, CB, Verizon, AT&T, Rogers, RoHS 2.0, WEEE(* In progress)	VPN/RobustVPN Routing Protocol Firewall SDK + APP	Web/CLI/SMS/RCMS

Embedded 3G/4G Routers

Model	Cellular	SIM	Cellular Antenna	Ethernet	Serial	Analog Input	USB	I/O	Bluetooth	MicroSD	POE	LED Indicators	GNSS	Wi-Fi	Power Supply Input Range	Mounting	Dimension Weight	Operating Temperature	Approval	Software	Firmware Upgrade
R1511P-4L	4G TDD/FDD LTE	1	2	2 x LAN or 1 x LAN 1 x WAN	1 x RS232 or 1 x RS485	N/A	N/A	N/A	N/A	N/A		5 includes 1 x RUN, 1 x MDM, 1 x USR, 1 x RSSI, 1 x WLAN	N/A	Supports AP and Client mode	9 to 36 VDC	Din-Rail Wall-Mount Desktop	N/A	-25 to +70°C	UKCA, CB CE, RCM, WEEE	VPN/RobustVPN Routing Protocol Firewall SDK + APP	Web/CLI/SMS/RCMS

## Urban Water Supply Pipeline Monitoring Solution

Monitor urban water supply pipelines in real-time using a controller (RTU) connected to sensors and solenoid valves. The RTU is linked to the Robustel industrial IoT gateway, which collects and transmits data (pressure, flow, valve status) to a monitoring center via 4G LTE network. This ensures effective management and maintenance of the water supply system, reducing downtime and improving efficiency.

Topology

Energy & Utilities
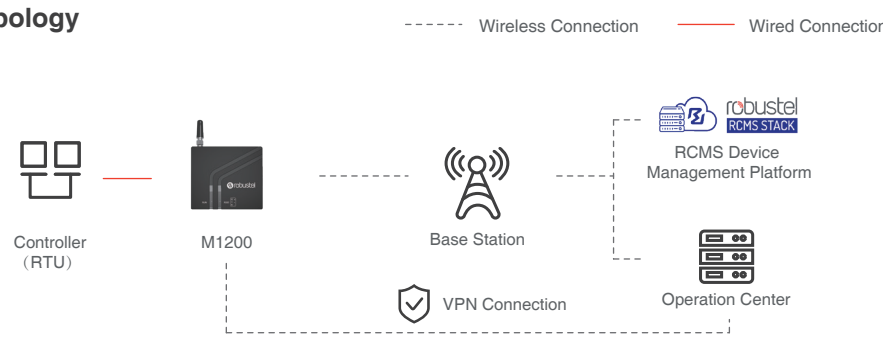
Bus Passenger Wi-Fi Solution

Robustel Passenger Wi-Fi system offers seamless connectivity and improved passenger experience for travelers. The Robustel IIoT Gateway is connected to the Internet through a cellular network, providing high-speed Wi-Fi access services for bus passengers through 2.4 GHz or 5 GHz Wi-Fi, with a powerful, flexible and very cost-effective content filtering service, awarded the "Friendly Wi-Fi" seal of approval.

Topology
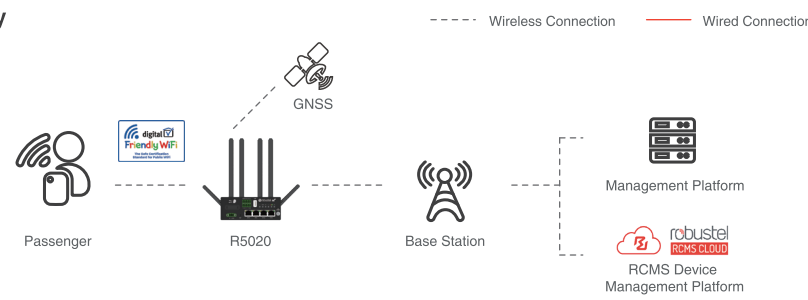
Transportation & Logistics
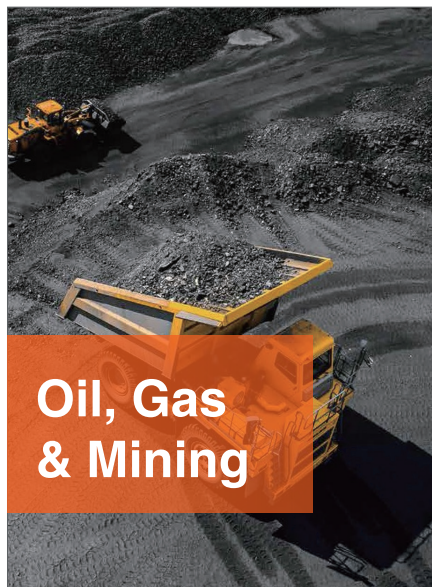
Urban Natural Gas Pipeline Remote Monitoring Solution

Robustel IIoT Gateway provides a wireless cellular communication solution for monitoring gas pipelines. By collecting data from pressure sensors, flow sensors, and PLCs via serial ports, it reports real-time status data and alarm information to the gas supply company's operation center through a 4G LTE network. This enables intelligent decision-making for natural gas resource scheduling and pipeline maintenance, ensuring a stable and reliable gas supply.

Topology

Oil, Gas & Mining
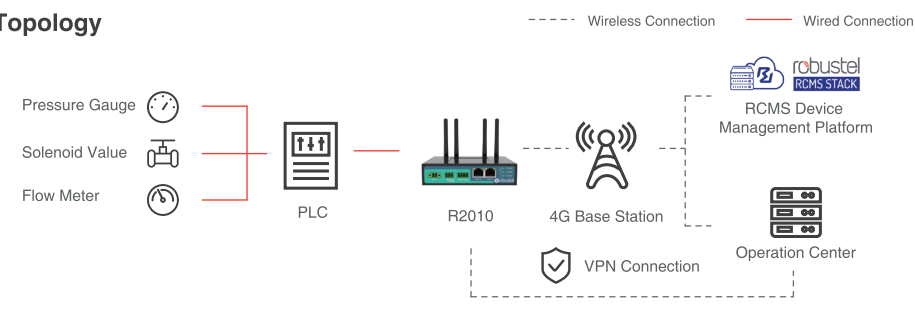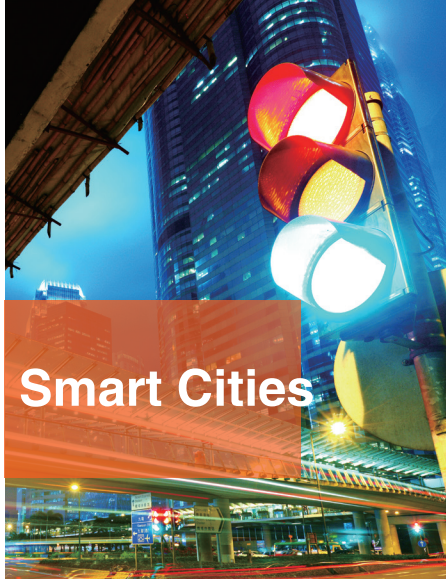
Urban Road Traffic Monitoring Solution

Real-time traffic monitoring is crucial for urban traffic management departments. An efficient solution involves using intelligent traffic lights and digital traffic guidance signs to optimize flow and provide real-time information to drivers. The Robustel IIoT Gateway connects and transmits data through a high-speed 5G network, ensuring smooth traffic flow.

Topology

Smart Cities
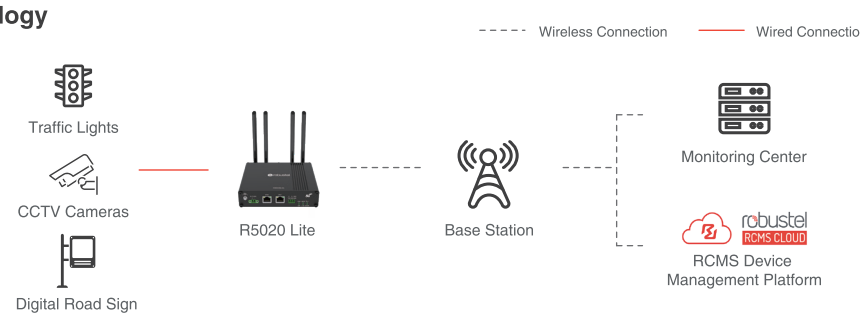
Industrial Robot Networking Solution

Industrial robotic arms can now benefit from wireless networks, saving costs and ensuring safety. With Robustel IIoT Gateway, data transmission is stable and low-latency, providing the necessary support for large amounts of data. By connecting to the operation platform and our RCMS device management platform through a private 5G network, real-time operational data can be collected and reported, improving maintenance service capabilities.

Topology
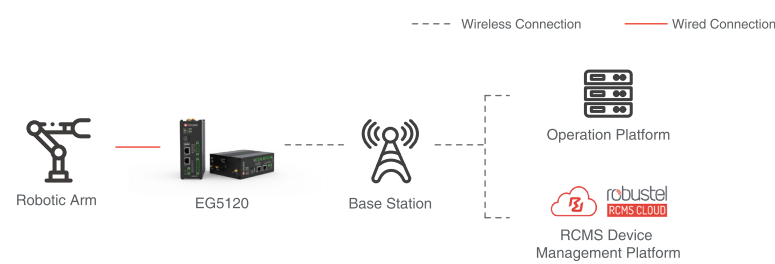
Industrial IoT

Enterprise Branch Disaster Recovery 5G Networking Solution

Enterprise Branch Disaster Recovery 5G Networking Solution provides businesses with a reliable backup network connection to ensure operational continuity in the event of a main network failure. By connecting enterprise office devices to the core switch via Ethernet/Wi-Fi, and using cellular networks as a backup, our solution offers a secure and stable backup network connection. With VPN tunnels creating a secure virtual LAN between branch offices, quick network restoration and minimal disruptions are guaranteed.

Topology

Enterprise IT
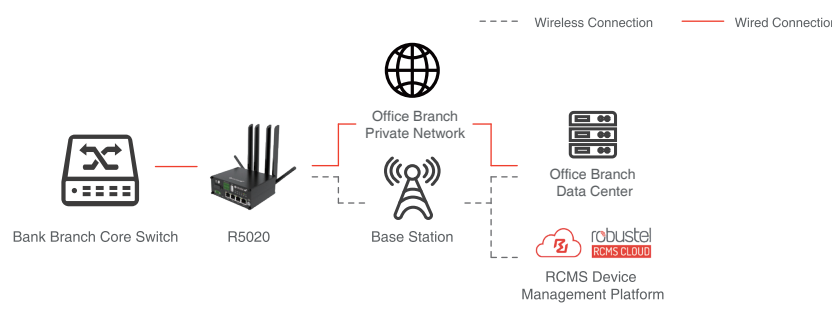
robustel
CLOUD MANAGER SERVICE
DEPLOY | MANAGE | CONTROL

Robustel Cloud Manager Service (RCMS) is a modular IoT cloud software platform compatible with all Robustel products. RCMS is designed from the ground-up to empower Robustel customers to build their IoT Solution (s) in a manner that is scalable, cost effective and can evolve quickly with the market.

Designed to work hand-in-hand with RobustOS, RCMS unlocks the true potential of Robustel products giving customers the ultimate range of monitoring, management and control functions.

Monitor

The RobustLink APP inside RCMS gives you visibility of your entire Robustel device fleet in a single location from anywhere in the world. View device status, signal strength, data usage and WAN details for any device connected to the touch of a button.

Manage

Use the RobustLink APP inside RCMS to access your devices remotely to change configuration parameters or send device commands through remote Command Line Interface (CLI) access. Maintain your fleet through Over-the-Air (OTA) updates for Firmware, APPS and Configuration files in bulk or for a single device.

Control

Use the RobustVPN App inside RCMS to create a virtual LAN for your devices that can be accessed securely from anywhere in the world using the preconfigured desktop VPN client.

Robustel has the final right to interpret the content.

Version: September 2023

GATEWAY PRODUCT CATALOGUE

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