COME-STAR

Modbus
Cellular Gateway

Connect Modbus Devices to
Remote Networks over Cellular



Modbus RTU/ASCII/TCP to Cellular

RS232/485/422 Support

2G/3G/4G Support

Dual SIM Failover

Industrial-grade Reliability

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How Cellular Modbus Gateway Work?

COME-STAR cellular Modbus gateway connects Modbus devices to remote networks through a cellular connection. It provides a simple way to monitor, access, and transmit Modbus data remotely without a wired network.

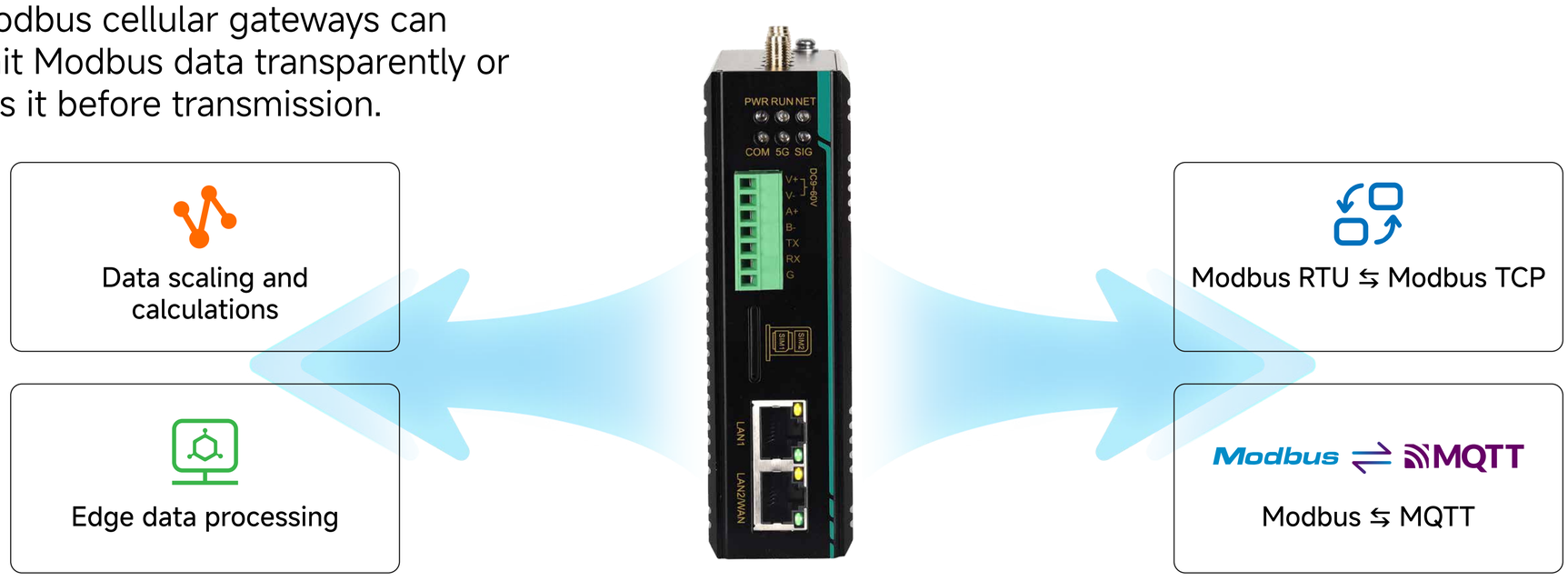
01 *Connect to Modbus Devices*

The Modbus gateway connects PLCs, meters, sensors, and other Modbus devices via RS485, RS232, or Ethernet and accesses the required Modbus registers.



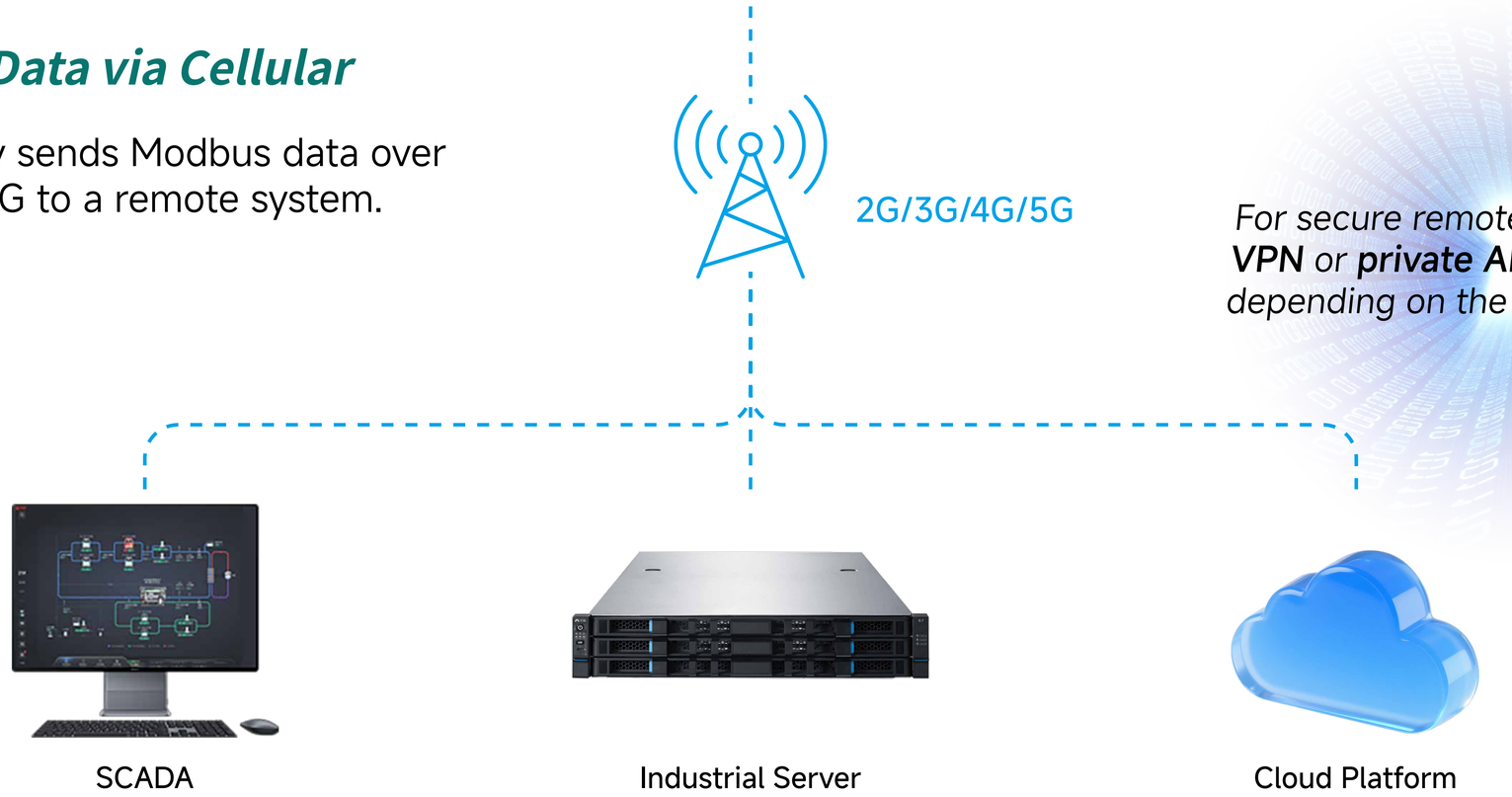
02 *Process & Convert Data*

Our Modbus cellular gateways can transmit Modbus data transparently or process it before transmission.



03 *Transmit Data via Cellular*

The gateway sends Modbus data over 2G/3G/4G/5G to a remote system.



*For secure remote communication, **VPN** or **private APN** can be used depending on the network architecture.*

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COME-STAR Modbus Cellular Gateway Portfolio

Simple Modbus Cellular DTU

This series of Modbus 4G gateways focuses on reliable and straightforward Modbus data collection without complex configurations.

Model	CGT341	CGT351	CGT371	CGT541-E	CGT541R-E	CGT551R-G	CGT571
							
Serial	1×RS232/485/422		1×RS232/485		1×RS485		1×RS232 + 1×RS485
Ethernet	——						1 WAN + 1 LAN, 10/100Mbps
Cellular	4G, CAT1	4G, CAT4	4G	4G, CAT1		4G, CAT4	
SIM Card	1×2FF				1×3FF		1×2FF
Region	Asia-Pacific Region, CN			Europe		Global	Asia-Pacific Region, CN

Best for | Simple field data collection · Remote Modbus monitoring

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Customization

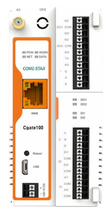
Antennas · SIM Cards · Cellular Bands · Interfaces · Protocols · VPN Functions · Other Configurations

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COME-STAR Modbus Cellular Gateway Portfolio

Edge Computing Modbus Cellular Gateway

These cellular Modbus gateways collect data from multiple Modbus devices, process it locally, and prepare it for transmission to SCADA, servers, or cloud platforms, reducing the workload on remote systems.

Model	Cgate100	Cgate300-G	Cgate310-G	CaxGate600-G
				
Processor/ Frequency	Cortex-M7400 MHz	Dual-core1.2 GHz	Cortex-A53, 4-core 64-bit2.0 GHz	Cortex-A55, 4-core 64-bit2.0 GHz
Serial	1×RS232/485 + 1×RS485		2×RS485 + 1×RS232	2×RS232 + 2×RS485
Ethernet	1×100 WAN	1×WAN/LAN + 1×LAN, 100M	1×WAN/LAN + 1×LAN, 1×1G + 1×100M	2×100M Ethernet
Cellular	LTE Cat 1 LTE Cat 4 (-EAU)	4G, CAT4		
SIM Card	1×3FF		1×4FF	
Region	CN, India, Europe, Middle East, Africa, Southeast Asia, Australia	Global		
GPS	\	√		
Other Protocols	\	Modbus, PLC, BACnet, OPC UA, IEC 104/61850, DNP3.0, etc.		

Best for | Multi-device data collection · Modbus Protocol Conversion · Local Data Processing

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COME-STAR Modbus Cellular Gateway Portfolio

High-Speed Modbus Cellular Router Gateway

This series of our Modbus gateways combines Modbus communication with advanced cellular routing, supporting 5G high-speed connectivity, multiple Ethernet ports, rich secure features, and WAN-cellular redundancy.

Model	CIR372-D	CIR584-W-G	CJ-2DI2DO-RS	CIR782R	CIR885R	CIR752R-W
						
Serial	1×RS485	1×RS485/RS232			2×RS485/RS232	1×RS485/RS232
Ethernet	1×100M WAN + 1×100M LAN	1×1G WAN + 3×1G LAN	1×100M WAN + 4×100M LAN	1×100M WAN + 1×100M LAN	1×1G WAN + 4×1G LAN	1×100M WAN + 1×100M LAN
Cellular	2G/3G/4G Cat4	3G/4G/5G	2G/3G/4G	3G/4G Cat12/5G		2G/3G/4G Cat3/4
Cellular Region	Global, EMEA, Australia, Latin America, New Zealand	Global	EMEA / APAC / Global	Asia-Pacific Region, CN		
SIM Card	1×2FF	2×2FF	1×2FF	2×4FF		
Cellular MIMO	—			2×2 / 4×4		—
Wi-Fi	2.4 GHz Wi-Fi 4	2.4/5.8 GHz Wi-Fi 4/5	2.4 GHz Wi-Fi 4	—		2.4 GHz Wi-Fi 4
VPN	PPTP · L2TP · IPsec · OpenVPN · GRE					

Best for | 5G high-speed connectivity · WAN-cellular failover · Multi-Modbus networking · Secure remote network access

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COME-STAR Modbus Cellular Gateway Features

Besides Modbus-to-cellular connectivity, COME-STAR gateways deliver outstanding stability and reliability for demanding industrial applications.

Wide Operating Temperature

With operating temperatures ranging from -40°C to +85°C on selected models, COME-STAR gateways are designed for stable operation across a wide range of industrial environments.





Rugged Enclosure

Depending on the model, the gateways feature IP30 or IP40 protection, with rugged enclosures designed for reliable deployment in industrial environments.

Industrial EMC Protection

With EMC performance up to Level 4, our industrial cellular modbus gateways are designed to maintain stable communication in electrically noisy industrial environments.



Cellular Antenna & MIMO

External SMA cellular antennas and MIMO technology help improve cellular signal reception and maintain reliable wireless connectivity.



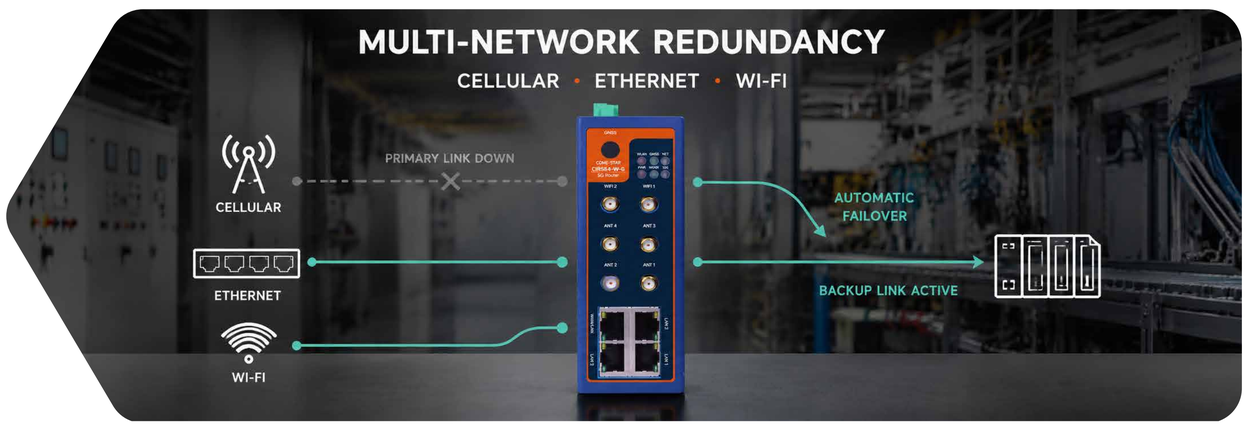
Dual SIM Redundancy

Our industrial cellular modbus gateways support dual SIM standby, allowing the gateway to switch to a backup SIM when the primary cellular connection becomes unavailable.



Multi-Network Redundancy

Our industrial cellular modbus gateways combine cellular, Ethernet and WiFi connectivity to provide backup communication paths when the primary network connection fails.





Connecting the World, Bridging the Future

GET IN TOUCH

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RELIABLE PRODUCTS

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GLOBAL PARTNER

Trusted by customers worldwide in diverse industries.

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