

CELLULAR GATEWAY

GW 102-V1



Wireless Technologies USA
Witech USA Corp



HOW IT WORKS?

CELLULAR GATEWAY

With this device, centralize and optimize your telemetry system making the most of the resources to download sensitive operational and historical information, with a point-multipoint topology of up to 3000 stations / meters simultaneously. Optionally, it has the capacity of cellular operators' duality or redundancy and easy integration to the company's LAN network.

The telemetry and SCADA process can be drastically streamlined since it would have downloads of up to 150 Mbps compared to the traditional 115 Kbps. It has an LTE cellular communication module that allows higher download and upload speeds, making it possible to increase the number of simultaneous downloads from remote computers. It's Ethernet port allows integration to TCP / IP networks.



Scalable equipment in modules and cellular communication technology.



Easy integration to your LAN or Wireless network with all the routing logics.



Easily integrate alert calls from your loss control telemetry system.



Reduce data plans used by telemetry database systems.



Download up to 3,000 device readings simultaneously, requiring only a single base for telemetry.

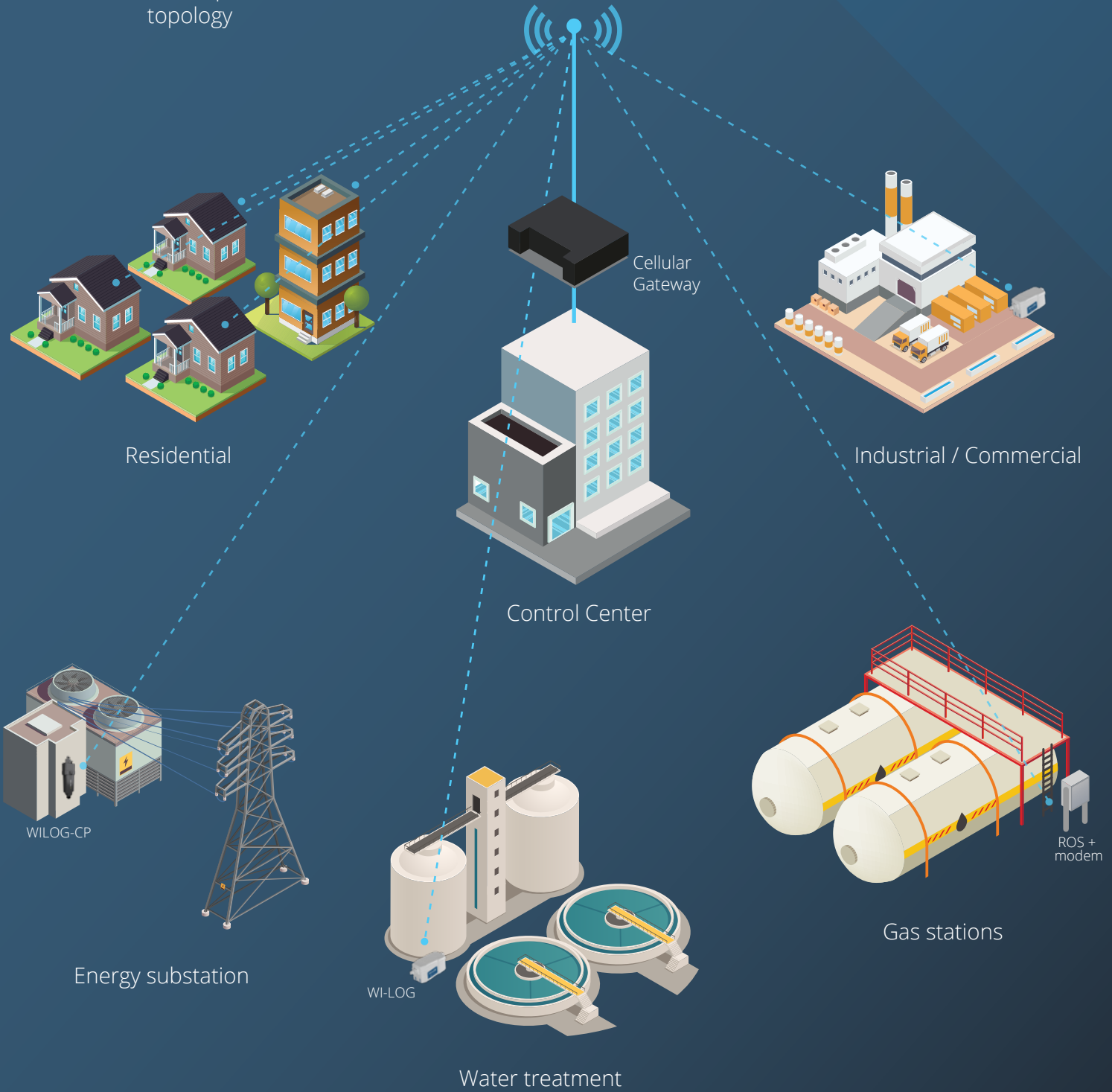


TOPOLOGY

CELLULAR GATEWAY

CELLULAR NETWORK

Point-multipoint topology





Enclosure

Dimensions:	170 x 162 x 40 mm
Weight:	104 g

Main controller

CPU Speed:	Dual-Core 880 MHz CPU Network processor
RAM:	128 MB
Data storage:	16 MB flash
Architecture:	MMIPS
LAN Ports:	Gigabit Ethernet (10/100/1000) port
MiniPCI:	MiniPCI type IIIA / IIIB slot MiniPCIe for LTE modem (3 slots for Mini SIM) slot
USB:	USB 2.0 typeA
Power supply:	12 -30 Vdc 24W@12Vdc
PoE:	12 -30 Vdc
Voltage monitor:	Yes
Temperature range:	-40°C a 70°C (-40°F a 158°F)
Extras:	Reset switch, beeper and input voltage monitor
Serial port:	One asynchronous DB9 RS232C serial port
LEDs:	Power, NAND activity, 5 user LEDs



Mobile Broadband Module detail

Form factor:	PCI Express mini card
Modes:	HSPA/WCDMA/EDGE/GPRS
Bands:	LTE FDD 2 (1900MHz) / 4 (1700MHz) / 5 (850MHz) / 12 (700MHz)
Speeds:	LTE data speed D/L 150Mbps U/L 50Mbps
WiFi:	2.4 GHz AP Integrated, standard 802.11b/g/n
GPS:	GPS, GLONASS, BeiDou, Galileo supported
Antenna interface:	GRAKE2 Advanced Receiver Diversity
Connectivity:	USB 2.0
Software:	Customizable wireless manager
Certifications:	FCC, CE, R & TTE, PTCRB, GCF, IOT of operator and infrastructure
Environmental:	RoHS



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