



Seamlessly connect your IoT devices.

A smart device for easy connectivity
between isolated IoT sensors & devices.

GW Series

GW 3000

Benefits in a glance

► Seamless IoT connectivity

Multi-protocol IoT networking capability offers interoperability with unconnected systems / other devices with varying protocol.

► Data Redundancy

Options for **memory storage for upto 4GB**. This ensures there is no loss of critical data of the specific operations.

► Process/Operations Monitoring

Digital/Analog input features enables to monitor all the **process parameters** through integration of pressure, flow, level, temperature, humidity sensors or other PLC devices with standard 0-20mA input.

► Cloud Service Independency

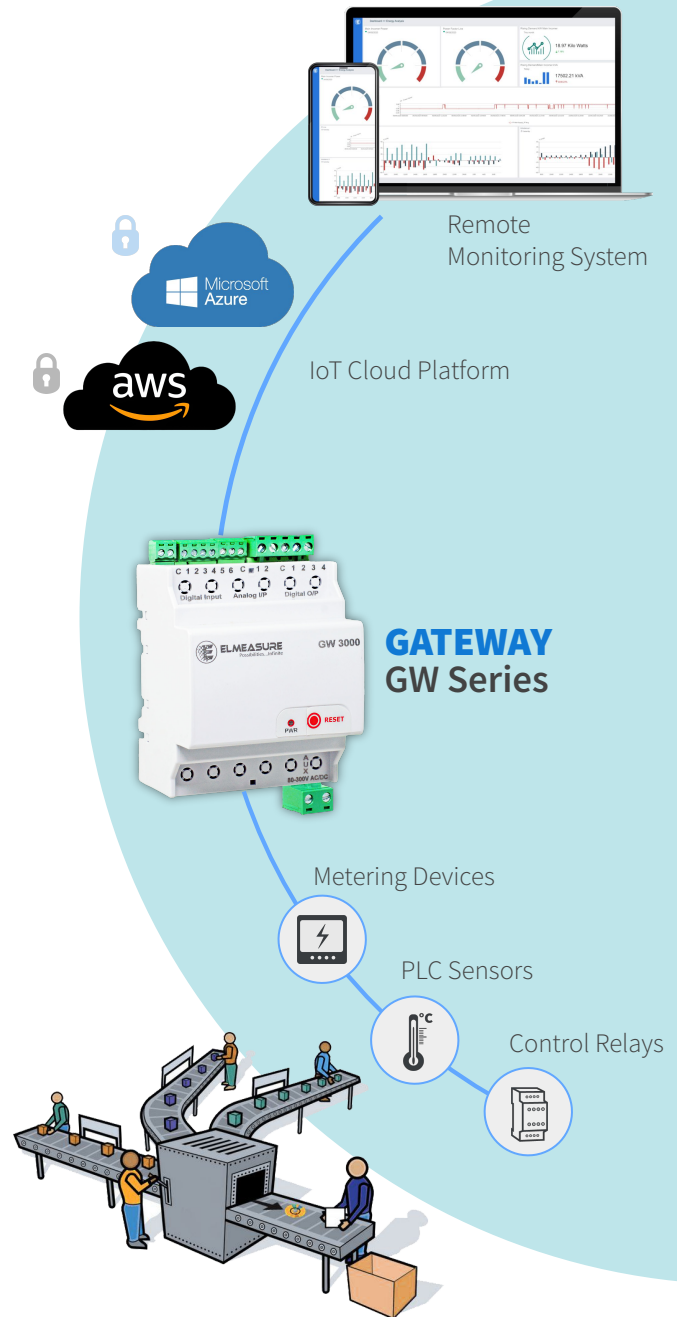
Ability to publish either to **AWS or Azure Cloud** platform for Remote Monitoring Systems.

► Data Security

Offers highly secured connectivity using the secured **TLS data encryption**.

► Remote machine/process control

With the digital output feature of GW 3000P, you can remotely **turn ON/OFF** specific machines or shutdown a larger plant process.



Connect. Digitalize. Control.

Digitalize your plant by seamlessly connecting your shop floor PLC sensors and metering devices to your Remote Monitoring Systems, and assume control in real-time.

Feature Comparison



GW 3000 L

GW 3000 M

GW 3000 P

CONNECTIVITY			
Ethernet	RJ45 10/100Mbit	RJ45 10/100Mbit	RJ45 10/100Mbit
USB 2.0	Available (1 port)	Available (1 port)	Available (1 port)
Web browser configuration	Available	Available	Available
MEMORY			
Storage	-	8 GB eMMC	8 GB eMMC
RTC battery	-	Built-in	Built-in
PROTOCOLS			
Modbus			
• RS485 (2-wire)	Available	Available	Available
• Isolation	2 kV galvanic	2 kV galvanic	2 kV galvanic
• Speed	4800, 9600, 19200, 38400, 57600, 115200 bps		
• No of devices supported	Up to 64 devices	Up to 64 devices (1 block each)	Up to 64 devices (1 block each)
• Protocol	Modbus RTU, Modbus TCP/IP		
• Function code compatibility	All function codes	Function codes 0x03, 0x04	Function codes 0x03, 0x04, 0x05, 0x10
SNMP			
• Availability	-	-	Available
• Protocol version	-	-	V 1.0
• PDU type	-	-	Get
PUBLISH TO CLOUD			
MQTT - TLS	-	V1.2	V1.2
Data format	-	JSON	JSON
AWS Cloud	-	-	Available
Azure Cloud	-	-	Available
Store MQTT messages when remote broker offline & forward when remote broker online.	-	Available	Available
VPN (Optional)	Available	Available	Available
Operating System	Ubuntu 18.04 Customized	Ubuntu 18.04 Customized	Ubuntu 18.04 Customized
Max Devices	-	32 devices (1 block each) - 1 min (Live Data). Data logging 15 min. 64 devices (1 block each) - 5 min (Live Data). Data logging 15 min.	
OPTIONAL FEATURES			
PoE	-	-	Available
Digital Input	-	-	6
Digital Output	-	-	4
Analog Input	-	-	2

MQTT Message Persistence & Recovery Data Storage

	GW 3000 M				GW 3000 P			
Parameters	32	16	8	1	32	16	8	1
Devices	32	32	32	32	32	32	32	32
Freq	15 min	15 min	5 min	5 min	15 min	15 min	5 min	5 min
Storage	14 days	17 days	8 days	15 days	14 days	17 days	8 days	15 days
Recovery Data Storage						60 days	60 days	60 days

Technical Specification:

ELECTROMAGNETIC COMPATIBILITY

Emission (radiated and conducted)	AS/NXS CISPR 22/En 55022 (Class A)
Immunity	EN 55024
Electrostatic discharge	EN61000-4-2
Radiated RF	EN 61000-4-3
Fast Transients	EN 61000-4-4
Conducted RF	EN 61000-4-6

ENCLOSURE

Material	Self-extinguishing PC blend (UL 94-V0)
Mounting	35mm DIN rail (EN 60715)
Classification/Type rating	IP 20/NEMA Type 1

AUX POWER SUPPLY

Range	80-300V AC/DC
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ENVIRONMENT

Operating Temperature	0 to 60°C / 32 to 140°F
Storage Temperature	-25 to 85°C / -13 to 185°F
Humidity rating	10 to 95% relative humidity, non-condensing
Operating ambience	Free from corrosive gas, minimal dust

PHYSICAL

Dimension	72mm x 90mm x 67mm
Weight	200 g

Mechanical Specification:

Mounting:	35mm DIN rail
Weight	200g (unpacked), 260g (packed). Note: Weight may vary based on options selected
Tightening Torque	1 N-m
Wire gauge	11 AWG
Outline Dimension:	72 x 90 x 67mm

