



ICE MultiPro/MQ – Multi-Protocol IIoT Gateway

Ethernet and GSM Models Available

Key Features

- 150+ Protocols Supported
- SNMP/MQTT Output as Standard (Others on Request)
- Models Support From 64-128 Devices (256-2048 Registers)
- Non-Proprietary (All Brands/Protocols Supported)
- JS Script Support (triggers & logical Control)
- Supports linear conversion, bit extraction, and high-low byte swapping
- Supports internal variables and device online/offline status checking
- Internal Watchdog Function
- Low Power
- Industrial Grade
 - -20~70°C Working Temperature
 - 20~90% (No Condensation) Working Humidity
 - Galvanized Steel Chassis

Please note all images and specifications may change without notice. E & OE. Please check with your local distributor that you have the latest version.

ICE MultiPro: Advanced Multi-Protocol IIoT Gateway

The iCE MultiPro is a high-performance, multi-protocol IIoT gateway designed for seamless industrial connectivity, bridging legacy and modern communication systems. Engineered for flexibility, scalability, and reliability, the iCE MultiPro enables real-time data acquisition, protocol conversion, and secure cloud integration for industrial automation, smart infrastructure, and remote monitoring applications.

Key Features & Capabilities

- **Multi-Protocol Support:** Supports industry-standard protocols such as **Modbus RTU/TCP, BACnet IP/MSTP, SNMP, OPC UA, etc.** enabling seamless integration with diverse industrial systems.
- **Swappable Communication Interfaces:** Flexible connectivity options, including **RS232, RS485, Ethernet, and GSM**, ensuring compatibility with both existing and next-generation networks.
- **Edge Processing & Protocol Conversion:** Local processing capabilities minimize latency and reduce cloud dependency, optimizing data flow between field devices and enterprise/cloud systems.

New Model: iCE MultiPro-MQ

Expanding our MultiPro series, the **iCE MultiPro-MQ** introduces a robust gateway solution specifically designed for **secure MQTT communication over Ethernet or GSM**. Ideal for remote and distributed environments, this model ensures **low-latency, high-reliability data transfer** for real-time IIoT applications.

iCE MultiPro-MQ Highlights

- **Optimized for MQTT:** Native support for **MQTT over Ethernet & GSM**, ensuring efficient, lightweight communication with cloud platforms and private brokers.
- **Cloud & On-Premise Integration:** Native support for **NEO-III, iCE PYXIS, AWS IoT, Eaton Brightlayer, Microsoft Azure IoT**, and private industrial clouds, ensuring seamless connectivity and real-time monitoring.
- **Seamless Integration with MQTT Brokers:** Facilitating real-time data ingestion, analytics, and visualization.
- **Power-Efficient & Compact Design:** Designed for industrial-grade reliability with **low power consumption**, DIN-rail mounting, and ruggedized enclosures.

The **iCE MultiPro Series** is the **ultimate IIoT gateway solution**, ensuring seamless interoperability, secure connectivity, and high-performance industrial automation. Whether you're modernizing legacy infrastructure or deploying scalable, cloud-driven IIoT networks, **iCE MultiPro** provides the flexibility and reliability to drive industrial digital transformation.

MODELS

Product	Model	Registers Supported	Devices Supported	Protocols	Interface
iCE MultiPro	iMPG-256-SNMP	256	64	<200*	1X Ethernet 2X Serial
	iMPG-512-SNMP	512	64	<200*	1X Ethernet 2X Serial
	iMPG-1024-SNMP	1024	128	<200*	2X Ethernet 4X Serial
iCE MultiPro-MQ	iMPG-256-GSM (MQTT)	256	64	<200*	1X Ethernet 2X Serial, 1X GSM
	iMPG-512-GSM (MQTT)	512	64	<200*	1X Ethernet 2X Serial, 1X GSM
	iMPG-1024-GSM (MQTT)	1024	128	<200*	2X Ethernet 4X Serial, 1X GSM
	iMPG-1024-GSM (MQTT)	2048	128	<200*	2X Ethernet 4X Serial, 1X GSM

* For a full list of supported protocols please contact info@ICEcontrol.co.za

SPECIFICATIONS

CPU:	1 Core 750MHz	Power Supply:	AC/DC 12~24V
Memory:	64M HP	Size (LxWxH):	Model Dependant
OS:	LINUX	Weight:	Model Dependant
Power:	6W	Material:	Galv. Steel
Flash:	128M	Setup:	Pre-Configured
Interface:	Ethernet/Serial	Temp (Working)	-20~70
Network:	Industrial Ethernet 10/100	Humidity:	20% ~ 90%,
Ports:	RS485 (Fully Isolated)	Installation:	Rail/Wall-mount

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