

QUTRIT PROTOBRIDGE™

Multi-Protocol Industrial Communication Gateway & Converter

OVERVIEW

The **Qutrit ProtoBridge™** is a high-performance multi-protocol industrial gateway designed for seamless integration across diverse communication landscapes. Whether bridging Modbus RTU to BACnet MS/TP or managing complex DMX-512 and Siemens FLN networks, ProtoBridge provides a reliable, low-latency translation layer. Engineered for industrial durability, it acts as a central hub for field devices, SCADA systems, and building management platforms.

KEY FEATURES

- Universal Translation:** Bidirectional conversion between a vast library of industrial protocols.
- Versatile Modes:** Operates as Master (Client), Slave (Server), or Sniffer for advanced diagnostics.
- Robust Protection:** Integrated Surge and ESD protection for harsh industrial environments.
- Compact DIN-Rail Mount:** Space-saving design (36mm width) for standard control panels.
- Ease of Config:** Dedicated Windows utility for mapping registers and setting communication parameters.

TECHNICAL SPECIFICATIONS

Model	PICO-2024-1216-1030
Power Input	24V DC (18-30V DC Range)
Dimensions	87 × 36 × 59 mm
Weight	500 g
Operating Temp	-20°C to +60°C
Humidity	10% to 90% (Non-condensing)





SUPPORTED PROTOCOL DRIVERS

Modbus RTU	BACnet MS/TP	M-Bus	DMX-512	Metasys N2	Siemens FLN	Toshiba PLC
TCS Basys	Sullair	MSA Chillgard	Macurco Modbus	Host Pass-Through	Generic Serial	

COMMUNICATION INTERFACES

Interface	RS-485 (2-wire), UART, SPI, USB
Baud Rates	9600 to 115200 bps (Configurable)
Isolation	Built-in Isolation & Surge Protection

INDICATORS & STATUS

			
Power	Modbus	BACnet	Error

APPLICATIONS

- **Building Automation:** Connect energy meters (Modbus) to HVAC controllers (BACnet).
- **Industrial IoT:** Data acquisition from legacy PLCs to modern Cloud/SCADA systems.
- **Energy Management:** Centralized monitoring of power quality and consumption across sites.

Ordering Information:

Product Code: PICO-2024-1216-1030

Includes: ProtoBridge Module, Configuration Software (Download), and DIN-Rail Mounting Hardware.