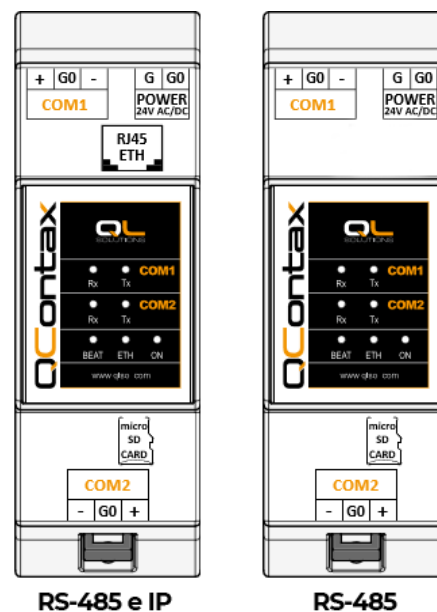


## Multi-function Gateways Series

This gateways series allows to integrate devices with open and proprietary protocols into Niagara Framework and/or to perform data accounting operations, in different modes, IP or serial. Thanks to the integrated SD Card slot and Real Time Clock, it is possible to activate the Data Logger function for storing historical data and the following download on the Niagara platform (DLOG version only). These gateways can be used with any JACE model (in IP or serial version) or interfaced by a supervisor (IP version only). The CONV version allows the conversion of IP-serial data. The RIP-485 version allows repetition of the 485 signal with galvanic separation. The firmware update function is simplified using the IP connection or SD card.

*Available in 2 hardware versions.*



### Key Features

- 1 ETHERNET 10/100Mbps port (only for IP version).
- 1 RS485 slave port for communication to JACE controller.
- 1 dedicated serial port for communication bus to field devices. Opto-isolated port.
- SD card slot for updating firmware and storing historical data.
- Communication status LEDs.
- Real Time Clock with integrated back-up battery for maintenance.



## Specification

### Connectors

- 2 connectors with 3 terminals (RS485)
- 1 RJ45 (only IP version)
- Removable
- Max cable size 2.5 mm<sup>2</sup>

### Communication

- 2 Interfaces RS485 half duplex
- 1 Fast Ethernet 10/100 Mbit/s (only IP version)
- Baud rate: 9600 to 57600 bps
- Micro SD card slot

### Power supply

DC: 24V ± 20%, 5W  
AC: 24V ± 20%, 7.5VA

### Temperature

Operating temperature:  
-10° C to +50° C  
Storage temperature:  
-40° C to +85° C

### Humidity

5 to 95% RH, no condensation

### Gateway protection

IP40 - for indoor installation

### Dimensions

37mm x 110mm x 62mm

### Mounting

DIN rail mounting  
(DIN EN 50022 norm)

### Housing material

Plastic, self-extinguishing PC/ABS

	Interface Emerson IONet	ETH Port	RS-485 Port	Repeater	Converter	Data Logger	MobBus Protocol	Modbus Gateway
QL-CTX-IONET-485	✓		✓				✓ *	
QL-CTX-IONET-IP	✓	✓	✓				✓ *	
QL-CTX-RIP-485			✓	✓				
QL-CTX-CONV		✓	✓	✓	✓			
QL-CTX-CONV-MDB		✓	✓	✓	✓		✓	✓
QL-CTX-DLOG		✓				✓	✓	

\* additional option