

Q3™ Retail Gateway



The Q3™ Retail Gateway is an eight I/O controller with the ability for off-site communications over an Ethernet connection. Its inputs and outputs provide monitoring & control for Lighting, Energy Sub-Metering, Temperature Monitoring, IAQ, and communications with Quest RTU Controllers. Facility & Energy managers can monitor, program and schedule their building network through the Q3™ Commercial Gateway's on-board web interface. The Q3™ Commercial Gateway also communicates to the central server software package Osprey FMS™ to provide powerful reporting and global functions.

Features

- Easy-to-use web interface for programming, scheduling & commissioning
- Five Independent Lighting Outputs
- Two Temperature Inputs
- Two Photocell Inputs
- Three user selectable digital outputs
- RS-485 Bus for communication with Quest RTU Controllers
- Internet-Based Outdoor Temperature Feed
- Works independently or in concert with the Osprey FMS™ dashboard
- Modbus input for Energy Sub-Metering
- Card Access
- Completely configurable for any application

Typical Applications

- Restaurants
- Convenience Stores
- Large Box Retail
- Small Box Retail
- Financial Institutions

Specifications

Part Number	150846	Network Interface (option)	
Inputs	8 universal inputs expandable to 64 in 16 input increments, (order part# 130455) Analog (0-5VDC or 0-20mA) or dry contact closures	LAN	Ethernet 10baseT (order part# 300165Q) with RJ-45 connector
Outputs - Digital	8 digital outputs expandable to 64 in 8 output increments, (order part# 130454)	Protocols Supported	TCP/IP, Telnet, DHCP, HTTP, SMTP, SNMP v1, v2c Traps
Contact Rating	24VAC / 20-60VDC, 0.5 amps	Logging	Logs all inputs, outputs, and alarms, up to 16,000 points
Outputs - Analog	2 on-board, expandable to 10 analog outputs (order part# 130456), 0-10VDC or 0-20/4-20mA	Software	Supports any off-the-shelf terminal communication software (e.g. Procomm®, HyperTerminal®) or Web browser (e.g. Internet Explorer® 6+, Firefox® 1.5+)
Network	RS-485 communications bus for communicating with up to 16 RTU controllers and expansion modules	I/O Terminals	2 piece pull-off terminals for all field wiring
Card Access	Supports industry standard Wiegand format, proximity or card swipe readers. Up to 600 cards can be programmed per site. Logs 800 most recent events	Battery	Long life lithium: 10 year shelf life, 1.5 years under load
Power	24VAC / 20-60VDC, current draw 0.5 amps @24VDC	Temp/Humidity	
Front Panel	Built-in programming panel with 8 keys and a 32-character backlit LCD Display	Sensor Accuracy	Temp: ±1°F (±0.5°C), Humidity: ±2% of range. Temperature & Humidity sensors (optional)
Modem	Optional 56K	Ambient	
Serial Port	DB-9 RS-232 port. Supports asynchronous communications. Programmable for speed, parity, & bit format	Operating Temp	-20 to 180°F (-29 to 82°C), 0-95% RH Non-condensing
		Certification	UL, CE
		Dimensions	11"W x 11"H x 2"D (279mmW x 279mmH x 51mmD)
		Weight	4.5 lbs (2.0 kg)
		Warranty	One year