

# QCom Meter Data Hub

## QUADLOGIC'S DATA COLLECTOR

The QCom is Quadlogic's network enabled data hub that collects data from QFamily electric meters and automatically passes the data to Quadlogic's cloud database. Customers can access the data through a secure online platform\*\*, enabling users to view and analyze their buildings energy usage from anywhere with a network connection.

Designed for flexibility, the QCom supports both wired (Modbus RS-485, Modbus TCP/IP) and wireless (via optional QRadio) meter communication, making installation straightforward in any environment.

The QCom is compatible with all QFamily meters, and a selection of 3<sup>rd</sup> party Modbus based electric meters. Additionally, the QCom reads and aggregates pulse data from 3<sup>rd</sup> party pulse meters connected to any QBrick electric meter.



## FEATURES AND BENEFITS

- For commercial or residential building applications
- Robust data collection mechanism for reliable meter data flow
- Seamless integration with Quadlogic's cloud database and data visualization software\*\*
- Compatible with all QFamily meters and certain 3<sup>rd</sup> party Modbus capable meters
- Pre-configured for Modbus RS-485 device communication
- On-board commissioning interface for easy system setup
- Optional radio mesh (QRadio) network for communication with remote metering devices
- Three-year hardware warranty

\*\* Only available in certain markets

# SPECIFICATIONS

## DATA ACCESS

- 10/100 Ethernet/LAN port for QuadQcloud database push, optional Cell Modem connection for remote installations without internet access.
- Secure access through LAN for local or remote setup and troubleshooting
- Compatible with QView Data Visualization Dashboard for seamless downstream data integration.\*\*
- Memory: 16 GB non-volatile eMMC memory
- Database security provided by Azure cloud services, data transfer is TLS 1.2 compliant

\*\* Only available in certain markets

## ENVIRONMENTAL

- Operational Temperature: -20° C to 70° C
- Retrofit or new construction, indoor installation, dry non-condensing

## DIMENSIONS AND WEIGHT

Without Metal Enclosure

- Dimensions: 5.7" L x 9.9" W x 2.2" H
- Weight: ~1.5 lbs



With Metal Enclosure

- Dimensions: 10" L x 8" W x 6" H
- Weight: ~8.5 lbs



## POWER SUPPLY

- Minimum of 0.5A at 24V
- 5x2.1MM Barrel Connector, Center +

## REGULATORY APPROVALS

- FCC approval (pending)
- UL Approved Power Supply

## METER CONNECTIVITY

### Quadlogic Meters (Qbrick 1, 4, and 6, miniQlosets, Qlic)

Revenue Grade Data collection limits (2W RS-485)

- KWh readings retrieved every 15 minutes
- RS-485 repeater required between every 16 devices

Non-Revenue Grade Energy Monitoring (2W RS-485)

- KWh readings retrieved every 15 minutes
- RS-485 repeaters required between every 16 or 32 hard-wired devices (see meter specs)

Max Devices Per QCom	
Qbrick and Qlic	80
miniQloset	20

### 3<sup>rd</sup> PARTY METERS (Modbus or Pulse)

- Collects pulse data from 3rd-party meters when coupled with the QBrick's dry contact pulse inputs
- Collects from select third party Modbus metering devices and posts data on customer's local FTP server

\*Note:

1. Optional wireless mesh communication modules available for all Quadlogic Modbus RS-485 meters
2. Check with QLC sales department for list of compatible 3<sup>rd</sup> party Modbus meters and corresponding device limits
3. Device limits are based on ideal field conditions, site-specific variables and wireless connectivity limitations may reduce max device count

## ORDERING INFORMATION

Model #: 962-026-01, QCOM, 3 X MODBUS

Model #: 962-030-01, QCOM, 3 X MODBUS with Metal Enclosure

# Quadlogic Controls

## Complete Submetering Solutions for New or Existing Construction

Quadlogic Controls designs and manufactures revenue-grade electrical submeters for tenant billing and energy management applications in residential and commercial buildings.

Deployed in mission-critical operations worldwide and compatible with leading property automation and information systems, Quadlogic submeters allow property managers and building owners to bill tenants while reducing energy consumption.

Quadlogic submetering solutions can be deployed in new or retrofit construction, easily integrating with existing building and financial systems.

Quadlogic's systems have been successfully deployed by property owners, submetering companies, building system integrators, and local distribution companies since 1984.

Quadlogic is a subsidiary of Metergy Solutions Inc., one of North America's most experienced submetering providers.