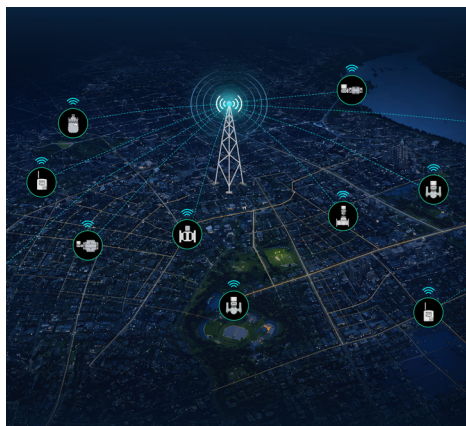




BrightLync® 500

Connectivity-as-a-Service (CaaS)

BrightLync® 500 delivers premium connectivity for high-value metering endpoints. Two-way serial communication unlocks advanced functionality to remotely monitor and access near real-time data on gas usage, asset configuration, and asset health—providing deeper visibility and greater control over critical assets.

Features

- IoT advanced communications platform
 - Carrier agnostic cellular infrastructure
 - 100% cloud native
 - Two-way serial communication
 - Over-the-air (OTA) updates
 - Remote monitoring and access to near real-time data
 - Near real-time alarm transmission
 - Automatic daily data transfer to cloud
- Integrated Device Manager and API compatible with various operational systems
 - Automated logs, event histories, audit ready records
- Industry-leading security with end-to-end encrypted hardware, transmission, and storage

Applications

- High value C&I metering endpoints

Secure CaaS with zero infrastructure investment

With BrightLync® there are no infrastructure investments, allowing utilities to expand network connection at the rate of value, not infrastructure absorption. By pairing our purpose-built gateway devices with existing cellular networks, BrightLync® provides a rapidly deployable, scalable CaaS solution.

Reliable network coverage across North America

BrightLync® is carrier agnostic by design, providing flexibility to optimize connectivity at each and every endpoint. By leveraging North America's premier wireless carrier networks, BrightLync® ensures ubiquitous coverage, reliable uptime, and continuous network upgrades

Simplified integration with existing systems

BrightLync® uses a modern web API to exchange data through standard conventions - there is no learning curve and no custom protocol to decode. For teams that want data files delivered, BrightLync® can auto-generate daily flat files to move batch data to existing billing and operation systems. No matter the existing platform, BrightLync® makes integration easy.

Secure by design, today and into the future

BrightLync® features robust cybersecurity protocols to protect against threats of today, while Romet's foundational Security Strategy ensures BrightLync® is proactively engineered for the threats of tomorrow, including the transition to post-quantum cryptography (PQC). Over-the-air (OTA) firmware updates will deliver PQC-enabled security as standards and threats evolve to protect asset investment, and ensure security remains resilient throughout the full product lifecycle.

BrightLync® 500

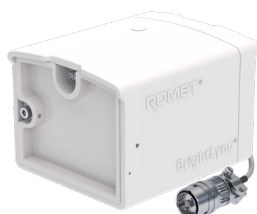
Specifications

All specifications are dependent on connected EVC capabilities

- Network
 - Tier 1, carrier agnostic LTE-M network infrastructure
- Data transmission
 - High-fidelity serial data from edge device
 - Frequency: once per day (configurable up to 24 times per day with Adem®)
 - Automatic data pull at next wake-up
- Data Storage
 - 13 months active. >13 months archived. No minimum storage limit.
- Systems Integration
 - Standard API, autogenerated flat file
- Device Manager User Interface
 - User access and administration management (MFA default, SSO login configurable)
 - Visualization of available data
 - Manual (.csv/.json) file download and automated data transfer (Representational State Transfer (REST) API)
 - Automated notifications
 - Remote threshold management
 - Remote parameter management (Adem® only)

Gateway Device (BL-500)

- Physical
 - Weather resistant, UV resistant, ESD grade engineered polycarbonate enclosure
 - Direct, bracket mount configurations
 - Dimensions: 5.3" (135mm) x 4.25" (108mm) x 3.76" (95mm)
 - Weight: 1.9 lbs (840 g)
- Battery & Power
 - 15-year nominal battery life (replaceable)
 - End of battery life warning
- User Interface
 - Magnetic wake up
 - BLE connectivity to iOS/Android commissioning app



EVC Integration

All specifications are dependent on connected EVC capabilities

- Available data
 - Corrected and uncorrected volume (daily, total, interval)
 - Daily and interval min/max/average temperature and pressure
- Available malfunction alarms
 - Sensor malfunctions, battery malfunction, lost connection
- Available notifications
 - Temperature, pressure and flow limit violations
 - Battery low
- Available remote parameter configuration
 - Uncorrected/Corrected index length, units, and value
 - Live/Fixed temperature, pressure, and supercompressibility
 - Atmospheric pressure
 - Base pressure and temperature
 - Pressure factor
 - Supercompressibility (CO2, N2, SG)
 - Alarm Limits: Low temp, high/low pressure, high/low uncorrected flow
 - Customer ID
- Available configurable threshold notifications
 - High/Low pressure
 - High/Low flow
 - Percent of max flow
 - Remaining battery life (voltage)

Approvals / Certifications

- Intrinsically safe: Class I, Zone 0, Class I, Div 1 Group D (cETLus)
- Industry Canada ICES-003 Class B
- FCC Part 15 Class B
- PTCRB

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