



CINCH IOT

CinchOne™ AI Cloud Managed Services

Overview

CinchOne™ is an all-in-one smart-building software data collection platform that gives facility teams complete visibility and control over their environment. Purpose-built for commercial offices, schools, government buildings, retail spaces, and mixed-use facilities, CinchOne unifies lighting control, indoor environmental quality (IEQ) monitoring, energy insights, device management, and automated compliance into one simple interface. Powered by Cinch's two-wire low-voltage system, CinchOne connects every fixture, sensor, and control point into a single cloud-managed platform—making buildings easier to operate, healthier for occupants, and dramatically more efficient.

Contact Support@cinchiot.com for more info

Why Cinch

Cinch IoT delivers a modern, scalable, and cost-effective approach to smart-building technology—combining durable hardware, intuitive software, and a unified low-voltage architecture that lowers installation and operating costs. The system is simple to deploy, easy to expand, and built for long-term reliability. With real-time visibility, continuous platform enhancements, responsive support, and an extended hardware warranty through annual renewals, Cinch IoT gives organizations a trusted partner and a future-ready foundation for intelligent, efficient building management.



Key Capabilities for Commercial Buildings

1. Smart Lighting & Controls

- Room, zone, and area-based control
- Scheduling, scenes, tunable white, daylight harvesting
- Occupancy automation for energy reduction
- Compatible with standard LED fixtures via Mighty Micro Drivers™

2. Indoor Air Quality Monitoring (IAQ/IEQ)

- CO₂, temperature, humidity, VOCs, particulates (PM1, PM2.5, PM10)
- Real-time dashboards for facility teams
- Ideal for offices, schools, shared workspaces, and conference areas

3. Automated Emergency Lighting Compliance

- Monthly and annual UL924 test automation via Cinch Controllers
- Eliminates manual testing and lift equipment
- Automated reporting for audits and safety inspections

4. Energy Insights & Optimization

- Real-time energy usage visibility
- Trend analysis and abnormal consumption alerts
- Supports demand reduction and load management

5. Simplified Building Operations

- Cloud-based dashboards and alerts
- Rule-driven automation based on time, occupancy, daylight, or air quality
- Automatic backups and continuous updates via CinchOne Cloud



AI-Ready Architecture: Cinch Two-Wire System + CinchOne™ Cloud

Modern commercial buildings generate vast operational data across lighting, sensors, IAQ, occupancy, energy, and compliance systems. Most platforms only display this data—Cinch enables AI to act on it. Because Cinch's two-wire low-voltage system carries both power and communication, every fixture and sensor becomes a software-addressable point in the building. Combined with CinchOne™ Cloud, this creates a high-resolution digital building model.

How Agentic AI Operates in a Cinch Building

- **Observes:** Data flows from lighting, IAQ, occupancy, and energy systems.
- **Reason:** AI identifies patterns in comfort, space usage, air quality, etc.
- **Plan:** AI generates multi-step strategies (e.g., adjust lighting, pre-ventilate, shift schedules).
- **Act:** CinchOne™ executes automated changes such as lighting adjustments, ventilation triggers, test scheduling, and alerts.

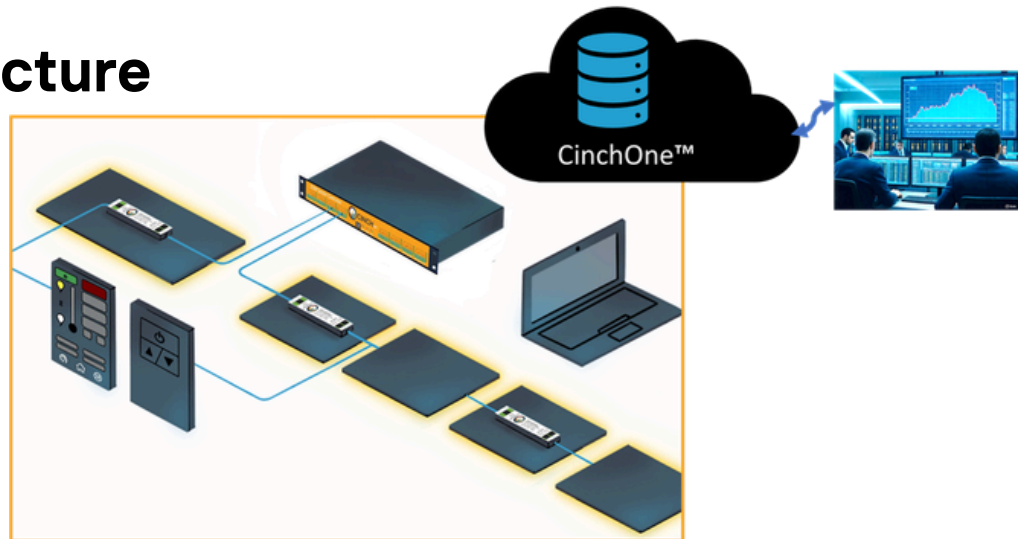
AI-Enabled Use Cases

- Automated energy optimization
- Predictive IAQ and comfort management
- Occupancy-based adjustments
- Autonomous emergency lighting compliance
- Predictive maintenance based on drift or behavior anomalies

Why Cinch Is Uniquely Positioned for Autonomous Facility Management

- High signal density across lights and sensors
- Unified control + power via the two-wire LV system
- Real-time observability across all building systems
- Cloud connectivity ideal for advanced analytics and AI

System Architecture



Unified Low-Voltage Backbone

Power and data travel over a single two-wire low-voltage backbone, reducing installation cost and complexity.

Benefits for Commercial Buildings

Occupant Comfort & Wellness

- Enhanced IAQ visibility
- Better lighting behavior via scheduling and automation
- Temperature-responsive building rules

Reduced Operating Costs

- No AC drivers to replace
- Automated compliance reduces labor and service calls
- Low-voltage wiring reduces installation cost

Simplified Facility Management

- One platform for lighting, IAQ, energy, and compliance
- Cloud-based control and monitoring

Future-Proof Infrastructure

Scalable two-wire architecture: Easily add sensors, zones, and building areas over time.