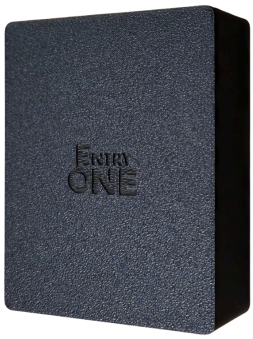

PATENT PENDING

EntryCore

Distributed Edge Controller

COMPACT CONTROL. RELIABLE UNLOCK.

- **Purpose-built companion controller:** designed specifically to pair with compatible Identry 6 readers.
- **Patent-pending architecture:** multiplexed power + data path with a dedicated deterministic communication path.
- **Flexible deployment:** mount near the opening, above the ceiling, in an enclosure, or in a DIN-rail cabinet environment.
- **PoE/LAN or local power:** supports networked deployments with local 12V to 24V DC input options.
- **Long-run reader placement:** supports short-hop installs through reader distances up to 1,000 ft, subject to cable condition and power budget.
- **Fast restart behavior:** sub-second recovery after power interruption helps minimize downtime at the opening.

KEY DEPLOYMENT ATTRIBUTES

Cloud Paired | PoE/LAN | 12V–24V DC Input | Up to 1,000 ft

Deployment advantages

- **Cloud-paired simplicity:** pair EntryCore to a compatible Identry 6 reader through the cloud for faster rollout and replacement.
- **Distributed placement:** put control where the job needs it - at the door, in the ceiling, or at the head-end.
- **Retrofit-friendly design:** built for practical field conditions, including many sites where legacy conductors are not ideally twisted.
- **Compact footprint:** a small controller form factor that fits projects where space is limited.

Built for the EntryOne architecture

- **Companion reader only:** proprietary controller intended for use with compatible EntryOne readers and workflows.
- **Dedicated lock relay:** integrated COM / NO / NC relay terminals support reliable local door actuation.
- **Field inputs:** dedicated REX, DPS, and ALM terminals support opening status and alarm logic.
- **Status visibility:** provisioning and system association flow through the paired reader and EntryOne cloud workflow.

Retrofit & future-ready architecture

- **Legacy conductor friendly:** designed for practical reuse of existing low-voltage wire in many retrofit scenarios.
- **Distributed edge topology:** helps avoid forcing all control hardware into one traditional cabinet location.

Technical specifications

FORM FACTOR	Proprietary distributed edge controller for a compatible single-opening EntryOne deployment
DIMENSIONS	3.5" x 2.5" x 0.75"
SYSTEM CONNECTION	RJ45 PoE/LAN
POWER INPUT	12V to 24V DC input, or standard PoE. (When powered via PoE, lock power output defaults to 24V DC and is limited to 300mA maximum)
READER PORT	6-conductor proprietary reader link: LINK PW+, LINK PW-, TOKEN A, TOKEN B, BOOST PW+, BOOST PW-
RELAY OUTPUT	Integrated lock relay with COM, NO, and NC terminals
INPUTS	REX, DPS, and ALM
READER DISTANCE	Supports reader placement from near-door mounting to long-run deployments up to 1,000 ft, depending on cable condition, voltage, and power budget
FIELD WIRING	Designed for many retrofit conditions and compatible with existing low-voltage conductors used between controller and reader
OPERATING ENVIRONMENT	Indoor rated. Protected near-door placement, above-ceiling installation, electrical enclosure, or DIN-rail cabinet environment

Deployment notes

- **Control room / enclosure:** locate EntryCore beside head-end equipment when centralized hardware placement is preferred.
- **Near-door / secure side:** keep control close to the lock path when distributed placement is more practical.
- **Above ceiling:** useful where wall space is limited and a protected intermediate location is available.
- **Cloud provisioning:** designed to pair within the EntryOne workflow rather than through a standalone local setup process.
- **Elevator floor-control integration:** A customized version of the EntryCore controller enables full elevator floor control without the immense cost of pulling a new, dedicated traveling cable. By utilizing spare conductors within the existing cable, this solution brings advanced AI edge capabilities directly into the cab. Facilities can now deploy facial recognition, video intercom, and a complete visual audit trail at the panel while saving tens of thousands of dollars on complex installation.

Compliance & installation notice: EntryCore is intended for use with compatible EntryOne readers and appropriately selected locking hardware. Where deployed on access-controlled openings, the complete installed system must comply with applicable fire, life-safety, building, and electrical codes. Final lock type, release behavior, power backup, fire-alarm interface, and egress configuration remain the responsibility of the system designer and installer.