

IP Access Control Solutions



ACCESS SECURE IDENTITY

Introducing...

EDGE™



Change the way you think about access control with Edge™ IP access control solutions.

Edge™ enables IT and Physical Security departments to effectively work together, breaking the paradigm of how access control has traditionally been designed and installed. A true solution that meets the demands of open architecture and IP-centric environments, Edge provides fully distributed intelligence and decision making right to the door, leveraging the IT infrastructure to the maximum extent possible.

Simple to install

Traditional installation of a CAT-5/6 cable runs everything at the door – right through Edge. No more bundles of wires converging at a controller in an already overcrowded IT closet or high costs for proprietary cable installation. Plus, Edge can utilize Power over Ethernet (PoE) instead of a dedicated power supply.

Exceptional flexibility

Available as a stand-alone door solution or for access control application developers, Edge is a flexible, cost-effective alternative to traditional access control solutions. It offers a comprehensive line of reader/controller configurations and supports iCLASS®, Prox, FlexSmart®, FlexPass®,

MIFARE®/DESFire®, Crescendo™ or Wiegand output readers.

Scalability built in

Edge can easily adapt for facility expansion or changes to virtually any card/reader configuration that future security needs may require – whether it's controlling two doors with a few hundred card holders or managing hundreds of doors at multiple facilities with 40,000 card holders.

Lowest total cost of ownership

Edge IP access solutions have the lowest per-door cost for an IP-based access control deployment. Simplified installation, standard wiring and the ability to leverage the existing network virtually guarantee an investment in Edge is money well spent.

Fully OPIN®

Developed by HID, OPIN is a truly open application programming interface (API) that allows for future host software options without installing new hardware. All Edge IP access solutions are built on the OPIN API, the choice of today's leading integrated solution developers, so Edge easily adapts to changing access requirements.

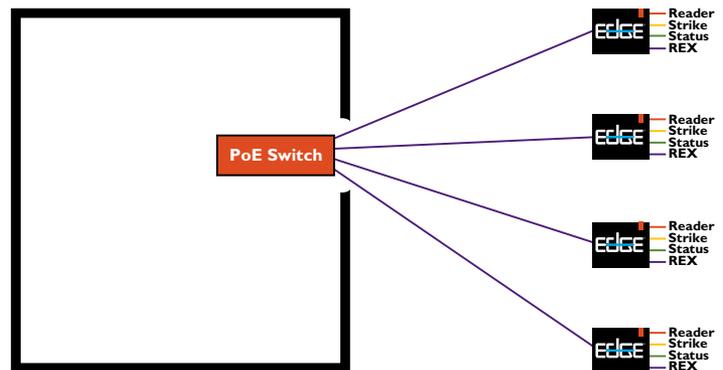
A single wire takes you to the Edge™

Just one look at traditional access control topology and it's easy to see the simplicity, flexibility and cost savings that make every Edge™ IP access control solution an ideal security decision.

Edge Access Control Topology

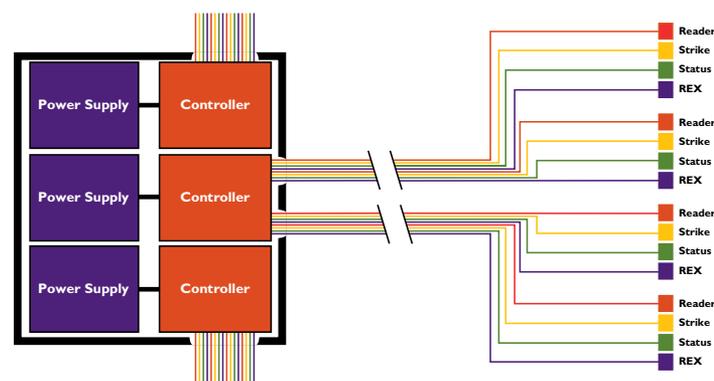
Efficient, flexible and open

- Everything at the door wires right into Edge for quick installation and control.
- Edge runs from a single switch into the nearest IT closet.
- A single CAT-5/6 wire is all that's needed – no home run cables – you just run to each door from the nearest IT closet.
- Edge can be PoE powered right out of the box, eliminating the power supplies, processors, wire wraps and conduit for the main IT closet.
- Edge accommodate today's advanced functions, such as read/write, LCD displays, supervision and shared access activity with other network systems.



Traditional Access Control Topology

Cluttered, inflexible and proprietary



- Several wire runs are required for each access device at every door: reader, strike, status and REX.
- The main IT closet is cluttered with power supplies, controllers, conduit feeds and wraps of wire in a highly crowded space.
- Each door requires a home run cable back to the main IT closet.
- Wiring is solely for the access control system.
- Long cable runs don't allow don't allow the options for read/write, LCD displays, supervision and shared access activity with other network systems.

Flexibility in configuration, expansion and card/reader techn

HID is the industry leader in access control cards and readers due, in large part, to our ability to move technology forward and be on the leading “edge”.

So it's only appropriate that the evolution of access control is spearheaded through HID Global with the Edge™ line of access solutions.

Available in two physical form factors, EdgeReader® and EdgePlus®, Edge products represent the future of access control as they reach beyond the traditional infrastructure to embrace and extend the computer network and IP networking.

EdgeReader®

EdgeReader is a perfect solution for new installations or renovations that have, or are migrating to, iCLASS® technology.

- ▶ EdgeReader is a single-door controller with integrated iCLASS reader in a single-piece design.
- ▶ About the size of a traditional reader, the EdgeReader is mounted just like any indoor card reader on the unsecured side of the door.
- ▶ EdgeReader's ability to read cards or control LCD displays is determined by the features and functionality of the integrated reader.
- ▶ Can be fully integrated into any host system utilizing an IP network.

EdgePlus®

EdgePlus is a perfect solution for renovations where readers are already installed, or new installations where the reader technology is not iCLASS.

- ▶ EdgePlus is a single-door controller.
- ▶ About the size of a traditional reader, the EdgePlus can be mounted anywhere inside a building, but logically fits just inside the protected space near the door.
- ▶ EdgePlus accepts any Wiegand output (up to 128 bits) or most HID clock-and-data readers.
- ▶ In addition to standard access control functionality, EdgePlus also has the ability to provide read/write functionality to the reader.
- ▶ Can be fully integrated into any host system utilizing an IP network and run on original OEM software host systems.



ologies. Edge is the perfect choice.

Any size or complexity of enterprise with a demand for controlling building access over the network benefits from the Edge™.

By changing the firmware in EdgeReader® or EdgePlus®, we are able to provide solutions and migration paths for both hosted and stand-alone applications. There is no difference in the hardware used with the different firmware configurations, adding to the flexibility of Edge.

Edge comes in two different firmware configurations, Edge Host and Edge Solo, which both incorporate the benefits of Edge and OPIN®.



Edge™ Host

Edge Host is the developer configuration for both EdgeReader and EdgePlus.

- ▶ Developers are able to use the OPIN API to extend their access control solution beyond traditional topologies to a single-door IP-based controller.
- ▶ Select between integrated Edge Host Reader solutions or choose the reader you want with an Edge Host Plus.
- ▶ Ideal for applications with hundreds of doors and/or multiple facilities and thousands of cardholders.
- ▶ This firmware version of Edge has all the features and benefits of the OPIN API, including the ability to interface with the reader.
- ▶ No end-user interface; it is designed to communicate with a host access control application as part of a larger system.
- ▶ Only available through our OPIN API development partners (OEMs).

Edge™ Solo

Designed for the entry-level user, Edge Solo is a stand-alone, single-door access control solution.

- ▶ Available in both EdgeReader and EdgePlus form factors, this firmware configuration offers a cost effective solution for single door access control, with the added benefit of remote management and report generation via standard web browser.
- ▶ Ideal for applications with tens of doors operating remotely and up to several hundred cardholders.
- ▶ Edge Solo utilizes the same underlying OPIN technology as Edge Host and has been designed to allow OPIN development partners to remotely push Host firmware into Edge Solo in order to reconfigure it on the fly to be part of a larger security system.



Leadership in networked access solutions is front and center.

HID IP access control solutions play a substantial role in today's shift toward open architecture physical access technologies. This success extends the HID commitment to the IP-driven security environment.

HID Global has developed Edge™ for the demands of any size or security level of enterprise.

Years of meticulous development assures Edge meets the requirements of both IT and Physical Security stakeholders for an open architecture solution without compromise.

Access the OPIN® experience

OPIN technology is the API at the foundation of the most significant open architecture access systems in place today. Developed by HID Global, this truly open API has scores of solution providers worldwide creating systems on this established robust protocol.

A decision by Physical Security and IT to go with access technology written in the OPIN API allows for future host software options without installing new hardware. All Edge IP access solutions are built in the OPIN API, so Edge adapts to access requirements whenever they may change. The OPIN API provides an extensive array of access control functions that allow for a wide choice of custom configurations.



Bringing intelligence to the door, the easy-to-use Edge solution enables remote management and report generation via standard web browser

Take your network to the Edge™.

Changing the way you think about access control

Edge™ IP access control solutions and the OPIN® Platform are products of the research and development of HID Global, reflecting years of technology leadership and innovation that serve as a hallmark for every brand in the HID Global portfolio.

Through our OPIN network of development partners, Edge solutions are ideal for a wide variety of applications including:

- ▶ Commercial/Industrial
- ▶ Education
- ▶ Remote Monitoring
- ▶ Managed Access
- ▶ Small Business
- ▶ Government

Contact us

We'll put you in touch with an access control solution provider that stands on the Edge of today's best transition to IP-based technology.

To learn more and find a complete list of Edge development partners, visit:

hidglobal.com/edge





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