



Open Infrastructure in Access Control



Open vs Proprietary: Why Open Systems Reign Supreme

Welcome to our guide on Open Infrastructure in Access Control. This guide puts the shift from proprietary to open systems in the spotlight, highlighting the benefits of future-proofing, enhanced security, cost efficiency, and more.

We also look at our collaboration with Mercury, showcasing how our unified platform drives innovation and value. On this journey, you will discover why an open infrastructure is essential for modern access control and how our solutions can enhance your security framework.



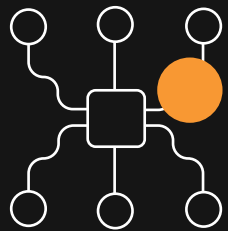
Understanding 'Open' in Access Control

What does 'open' actually mean?

When it comes to access control, "open infrastructure" refers to systems that are interoperable, flexible, and not tied to proprietary technologies. This means the components of the system, such as controllers and software, can integrate and communicate with products from different manufacturers, promoting innovation and adaptability.

The evolution from proprietary to open systems

In the past, access control systems were proprietary, meaning they were built with specific, non-interchangeable components. This limited flexibility and increased costs. Over time, the industry has shifted towards open systems, driven by the need for greater interoperability, cost-efficiency, and future-proofing.



The benefits of open systems in today's access control center

Open systems provide numerous advantages, including enhanced security through integration with various advanced technologies, the ability to upgrade and modernize quickly, and vendor independence. They also support the seamless incorporation of innovations, ensuring the system remains up to date and robust.



Implications of an open infrastructure



Future-proofing/readiness: Open systems are designed to be adaptable, ensuring they can integrate with new technologies as they emerge, providing long-term viability.



Connectedness: These systems facilitate better connectivity between various security components and other business systems.



Unified systems: An open infrastructure supports the unification of different security components, creating a cohesive and efficient access control ecosystem.



Cost efficiency: Open systems can reduce costs by allowing the integration of more cost-effective components and avoiding vendor lock-in.




Security: By leveraging the best technologies from multiple vendors, open systems enhance overall security.





Scalability: They can easily scale to accommodate growing security needs, making them suitable for organizations of all sizes.




Benefits

 **Enhanced security:** The integration of various advanced security technologies from multiple vendors leads to a more robust and secure access control system.








 **Ability to innovate/upgrade/modernize quickly:** Open systems enable rapid adoption of modern technologies and updates, ensuring the access control infrastructure remains cutting-edge.

 **Vendor independence:** Organizations can choose the best components from different vendors, avoiding dependence on a single provider, and enhancing system flexibility.

 **Community and support:** The collaborative nature of open systems fosters a strong community and support network, encouraging continuous improvement and innovation.



Proprietary Systems Vs Open Architecture

Current state (proprietary system)		Future state (open systems)
Isolated components		Interoperability
Vendor lock-in		Vendor independence
Higher costs		Cost efficiency
Scalability challenges		Scalability
Security risks		Enhanced security
Reduced innovation		Innovation
No flexibility		Flexibility
Limited customization		Customization
Proprietary technology		Community and support
Compatibility concerns		Future-proofing
Downtime and support delays		Simplified upgrades & maintenance



The Migration Process

Here are the steps involved in migrating from a proprietary access control system to one based on open architecture:



Summary

Where to from here?

To leverage the benefits of open infrastructure, it is essential to choose the right partners who can provide comprehensive and integrated solutions. IDCUBE, through our collaboration with Mercury, offers a unique and powerful access control platform that is future-proof, smart, secure, scalable, and hybrid in nature.

IDCUBE's key benefits



IDCUBE's unique value lies in our ability to integrate a diverse range of technologies into a unified platform. Our collaboration with Mercury enhances this capability, providing end-users with innovative, flexible, and secure access control solutions. IDCUBE's platform supports various identity types and incorporates cloud technologies that leverage AI and predictive analytics to deliver cutting-edge proactive security measures.

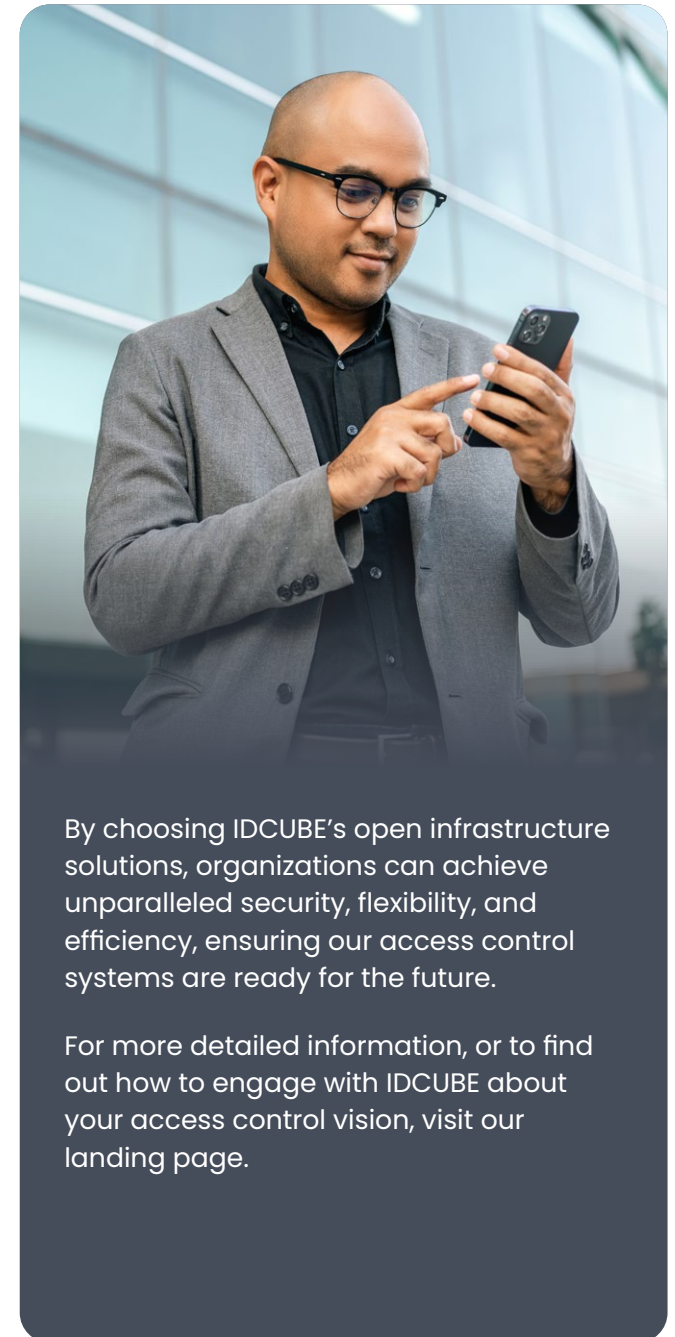
IDCUBE and Its collaborations



Mercury integration: IDCUBE seamlessly integrates Mercury's class-leading controllers, as well as various HID products, onto a single platform. These include Wallet Access, and Fargo. This unique approach offers a diverse technology mix, offering capabilities unmatched by other OEMs.

Exclusive platform: IDCUBE is the exclusive platform that consolidates Mercury technologies, demonstrating a commitment to innovation and convergence.

Mobile credentials and identity convergence: IDCUBE has developed specialized apps for Mercury's access control hardware, including visitor management and time and attendance functionalities. This integration supports various identity types such as traditional card credentials, Mobile Access (NFC, Wallet, and BLE), QR codes (Dynamic and Static) and biometrics (Finger and Face), enhancing the overall security infrastructure.



By choosing IDCUBE's open infrastructure solutions, organizations can achieve unparalleled security, flexibility, and efficiency, ensuring our access control systems are ready for the future.

For more detailed information, or to find out how to engage with IDCUBE about your access control vision, visit our landing page.