

The Gap - BluBØX Open Cloud vs. Closed Client Server

Feature/Capability	BluBØX Open Cloud		XXX Closed Client Server	
	Y/N	Comments	Y/N	Comments
Lower Initial and Ongoing Cost	Y	BluBØX uses less onsite hardware, infrastructure, power and cooling resulting in lower initial hardware and installation costs. BluBØX's automatic software	N	Not possible with client server architecture.
On Demand, Pay as You Go, Pay for What You Use -	Y	This is the BluBØX cost model and results in the highest value for the end user.	N	Generally not available.
Seamless Transition to a New Platform	Y	The BluBØX architecture allows a system to be switched over without disrupting the legacy system. This results in seamless	N	Not possible with client server architecture.
Accessible Anywhere, Anytime, Any Device	Y	The BluBØX Cloud architecture enables users to access 100% of their system from anywhere, anytime using device. This hallmark capability enables the BluBØX	N	Not possible with client server architecture.
Reduced Hardware and Software Architecture	Y	The BluBØX Cloud architecture eliminates the need to install on premises servers, client stations, network video recorders and the associated peripherals such as monitors, UPSs, KVMs, etc. This results in	N	Not possible with client server architecture.
Hardware, Software, Database and Storage Redundancy	Y	The BluBØX Cloud architecture and virtualized environment provides full hardware, software, database and storage redundancy through multiple geographically dispersed locations. It is	N	Not practical and prohibitively expensive with client server architecture.
Automatic Backups	Y	The BluBØX Cloud architecture continuous automatic backups every hour	N	Not practical and prohibitively expensive with client server architecture.
Microsoft Cyber Security Protection	Y	The BluBØX Cloud architecture is protected 24/7 against Cyber Security attacks by Microsoft through a combination of 24/7 monitoring, IPS systems, penetration testing and best practices. BluBØX also	N	Not practical, prohibitively expensive and probably not possible to achieve with client server architecture.
Multi-Factor Authentication	Y		N	Generally not available
Automatic Software Upgrades	Y	The BluBØX system provides automatic software upgrades and 100% distribution to all users. All customers are always using the best software we have to offer and	N	Not possible with client server architecture.
Continuous and Rapid	Y	The BluBØX system provides software	N	Not possible with client server

FEATURE COMPARISON CHART - BluBOX vs. Specification

One Event Clock	Y	The BluBOX system provides one event clock and one events database such that all transactions and events reference the same common clock.	N	Many systems have disparate clocks that aren't synchronized and drift such that the access, alarm, visitor, video events can't be correlated. It is not practical and
One Version of Software Across All Devices	Y	The BluBOX system provides one version of software and one user experience across all devices; smartphones, phablets, tablets, laptops, desktops, large screen monitors independent of operating system and	N	Not possible with the client server architecture. There are different versions for different O/S's. Mobile apps are different than client apps.
One Common Database	Y	The BluBOX system uses one common database to achieve deep unification out-of-the-box without the need for time consuming and error prone configuration and integration. Everything remains unified and working from upgrade to upgrade which is not the case for systems	N	Most client server systems are made up of multiple disparate databases; usually one database per system (access, alarm, video, visitor, biometric) and usually different original manufacturers. The databases have different structures which makes them difficult and expensive to
No Client Software or Apps	Y	The BluBOX system does not require any client software. All it needs is a browser and an internet connection. This is what make the system accessible from any	N	Requires client and server installed software on any PC or server needing to use the application. Mobile apps, if even available, need to be installed on each
A Simple, Familiar Web User Interface that Anyone Can Use	Y	If you can use the Internet then you can use BluSKY. Its that simple.	N	Most client server solutions require and magnifying glass, PhD and a few weeks to learn and use.
100% Mobile Functionality	Y	100% of the BluBOX system capabilities are available on every device including smartphones. System functionality is not	N	Not possible with client server architecture.
Mobile 1st and Responsive Software Design	Y	The BluBOX system is designed from the ground up to be delivered on a mobile device and then every other type of device. Mobile devices have become the dominant device that we conduct our daily business on. But creating software that works across all devices is challenging. You have	N	Not available. Client applications were written at a time before the mobile revolution and before mobile first and responsive design were available.
Real Time Status, Control and Events from Anywhere	Y	The BluBOX system provides real time status, control and events from anywhere for readers, floors, alarms, cameras,	N	Not possible with client server architecture.
Ability to Open Any Portal or Elevator with Your	Y		N	Not possible with client server architecture.
Ability for Fire, Police and EMT to be Alerted, View and	Y		N	Not possible with client server architecture.
Ability to Simulate Credentials	Y		N	Not possible with client server

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Seamless Virtual Credential Provisioning - Employee,	Y		N	Not possible with client server achitecture.
Email and SMS Event Notification and Response	Y	The BluBOX system provides email and SMS servers that deliver event based notifications to targetted users with an an easy way to directly respond. This capabilit	N	Most system do not come with an email server or SMS server. This is an extra ongoing cost to provide, configure and maintain.
Notification and Distribution List Management and One Common Notifications Engine	Y	The BluBOX systems provides an easy way to define and manage event based notifications. The system come with many notifications already defined. The BluBOX systems also provides an easy way to define and manage distribution groups.	N	Using emails and SMS are not part of the system function as it is with BluBOX. As a result client server system do not have sophiscated notification management and distribution systems. They do not have targetted and event driven
Person Reader	Y	The BluBOX Person Reader is a unique product to BluBOX. It provides hands free and card free multi-biometric identification of a person. It can be used in conjunction	N	Not available.
Integrated Biometric Security	Y	BluBOX provides integrated biometric credential management used for Person Reader enrollment. It can also be used to log into BluBOX.	N	Generally not available. The biometric database is generally a separate database that is managed independently from the access control database and a manual mapping must connect the biomtric information to a card number. This is
Mobile Digital Credential	Y	BluBOX provides integrated mobile digital credetial management and provisioning. This enables people to use their smartphones and other devices as a	N	This is new technology and generally not supported yet by most manufacturers. The client server architecture will provide significant limitations to achieving the full
Unified Access, Alarms, Visitor and Video Everywhere	Y	The BluBOX system provides unification between access, alarms, video, visitor and biometrics anywhere, anytime on any device because unification is accomplished	P	Not specified and not possible with the specified client server achitecture. Unification is only available on the computers in which the client software is
Integration with Any 3rd Party	Y		P	Not possible with client server
Cross-System, Multi-Site, Partitioned Database	Y	View, control and exchange data between multiple independent systems, facilities and sessions	N	Not possible with client server achitecture.
Tenants Manage Building Security Database and Functions for their Own Employees - personnel record management, access control,	Y	The BluBOX system partitioned database allows each tenant to manage their own employee personnel records, building access, visitor pre-registration, photos, badging and reporting all through the internet an without interfacing directly with the local building system hardware.	N	Not practical, cost prohibitive and introduces security risks with client server achitecture.
Ability to Take Selfies for	Y		N	Not possible with client server

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Tenants Share Data Between Building Security System and Tenant Security System	Y	The BluBOX system allows personnel records, access levels and events to be access across the building system and tenant system eliminating double data entry of the same information in two systems. This capability has the benefit of	N	Not possible with client server achitecture.
One Set of Credentials for Building Security and Tenant Security Systems	Y	The BluBOX system allows the same set of credentials to be used in different systems like the building system and a tenant system. This eliminates the need for tenants to carry two sets of credentials. A	P	This can be partially achieved by entering the same credentials into both the base building system and tenant system. However there are many complications with this approach and it leads t omany
Virtual Visitor & Vendor	Y		P	Generally not available
Inexpensive MiFARE Visitor &	Y		P	Generally not available
Included Email/SMS Service	Y		P	Generally not available
Customizable Email/SMS Notifica	Y		P	Generally not available
Open Hardware	Y	the BluBOX system's "Freedom of Choice" architecture uses open Authentic Mercury hardware that can be used on 20+ other manufacturers. Mercury hardware is "Tried and True" in the marketplace and the most installed hardware set of any brand. This choice future proofs the	P	This depends upon the manufacturer. Unless the manufacturer uses Authentic Mercury or HID Vertex its not open hardware. The Axis controller is a newer product that is also open but doesn't have a lot of field exposure and software development behind it.
Open Restful Software API	Y	The BluBOX system uses an open restful API to integrate with third party systems. This enables BluBOX to virtually connect to	N	Generally not available. This is a newer technology and approach to software development.
Destination Dispatch Elevator(DDE) Security Integration and Certification	Y	The BluBOX system provides DDE security integration and certification with all 6 major elevator providers including interfloor matrix, keypad/kiosk and site	N	Few manufacturers have good hardware and software interfaces into destination dispatch elevators. If they do, they are expensive, not robust, difficult to upgrade
Open Hardware Appliance-based DDE Security Integration	Y	The BluBOX system's open hardware appliance based DDE Security integration provides easy installation, support and maintenance. It eliminates the layers of	N	Few manufacturers have good hardware and software interfaces into destination dispatch elevators. If they do, they are expensive, not robust, difficult to upgrade
Elevator Floor Control, Car Control and DDE Kiosk Control	Y	The BluBOX system's elevator interface provides floor bank control, individual car	N	Few manufacturers have good hardware and software interfaces into traditional
Unified Relay and DDE Elevator Control Interface	Y	The BluBOX system's unified DDE and Relay interface works across all brands and in	N	Few manufacturers have good hardware and software interfaces into traditional
One Common Reporting Engine	Y	The BluBOX system provides a unified reporting platform across all security applications personnel, access, alarms, video and visitors.	P	Reporting is only available on the computers in which the client software is loaded (NOT Everywhere). Reporting is not available on Mobile apps. Most

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One Common Analytics Engine	Y	The BluBOX system provides a unified analytics platform across personnel, access, alarms, video and visitors, safety, logs, notifications, hardware, software,	P	Analytics is only available on the computers in which the client software is loaded (NOT Everywhere). Analytics is not available on Mobile apps.
AI Engine to Evaluate Risks	Y		P	Generally not available
24/7 AI-Based Monitoring	Y		P	Generally not available
Virtual-Remote Commissioning and Testing	Y	The BluBOX system provides the unique capability to commission a system virtually and report on the status of the commission test to prove that the major components of the system have been tested and are functioning properly. This saves time and	N	Not practical, cost prohibitive and introduces security risks with client server architecture.
Virtual and Remote Support and Diagnostic Tools	Y	The BluBOX system provides component level diagnostics for the entire system accessible from any device, anywhere and anytime. The capabilities provide for 2X	P	Not practical, cost prohibitive and introduces security risks with client server architecture.
Remote Power Control and Management	Y	The BluBOX system provides remote power management and control over system power including , spikes, shorts, battery power, power loss, ac power, power shut	N	Not practical, cost prohibitive and introduces security risks with client server architecture.
24/7 AI Based System Health Monitoring and Notification	Y	The BluBOX system provides a robust System Health Monitoring capability that monitors Hardware, Software, Security,	N	Not practical, cost prohibitive and introduces security risks with client server architecture.
Unified DIY Knowledgebase and User Guide Available to Everyone	Y	The BluBOX system provides a unified, mobile first online knowledgebase that is accessible to everyone on any device, anywhere at any time. The knowledgebase	N	Generally not available.
Context Sensitive Help on Every Screen	Y	The BluBOX system provides a unified, mobile first online knowledgebase that is accessible to everyone on any device, anywhere at any time. The knowledgebase	N	Generally not available.
Simplified Remote Support	Y		N	Generally not available.
Unified Service Request System	Y	The BluBOX system provides and easy way for end users and integrators to submit service request tickets online right in the BluBOX interface. End user requests are	N	Generally not available.
Double Layer CustoeMr	Y	System integrator and BluBOX support	N	Generally not available.
Automatic System	Y		N	Generally not available.
50% fewer Truck Rolls to Your	Y		N	Generally not available.