

Gateryx

by Bohemia Automation

A Modern Security Gateway for Maximum Assurance

- Energy & Critical Infrastructure
- Financial Services
- Data Centres & Cloud Providers
- Industrial & OT Environments
- Government & Regulated Sectors

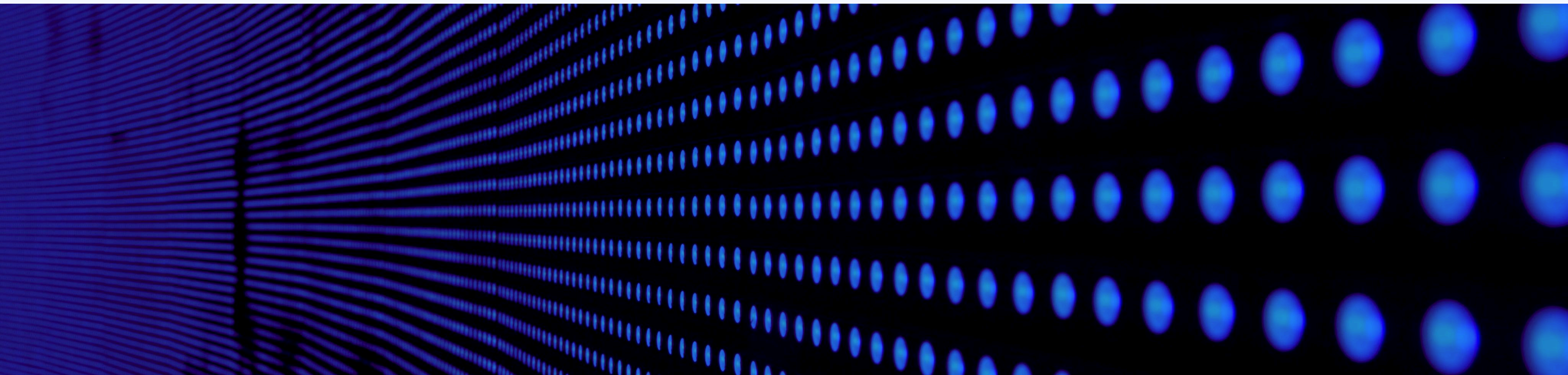


Executive Summary

Gateryx is a next-generation cybersecurity gateway designed to unify identity, access, and application security into a single high-assurance platform.

It combines Web Application Firewall (WAF), API gateway, and Identity Provider (OIDC/LDAP) functions, providing organisations with a single, integrated solution that secures IT and OT assets, web applications, and industrial protocols.

Built for performance, resilience, and future-ready security, Gateryx addresses the evolving demands of regulated, high-risk, and high-availability environments.



Key Features & Differentiators

- **Unified Security Stack:**
Consolidates WAF, API gateway, IdP, and ingress control.
- **Protocol-Agnostic Protection:**
Supports HTTP/S, APIs, microservices, and industrial fieldbus protocols.
- **Identity-Centric Security:**
OIDC, LDAP integration, SSO, and passwordless (WebAuthn/Passkey) authentication.
- **Zero-Trust Enforcement:**
Validates every request before it reaches internal systems
- **AI-Assisted Threat Detection:**
Intelligent anomaly detection and policy suggestions.
- **Low-Latency Edge Architecture:**
Master-worker design ensures minimal impact on performance.
- **Cryptography & Admin Security:**
ECDSA signing for admin actions, no passwords or bearer tokens.



Ideal Sectors for Gateryx Security Deployment

Gateryx is ideal for organisations where **security, compliance, and reliability** are mission-critical.

- **Energy & Critical Infrastructure**
 - Power generation, transmission, and renewable energy sites
 - SCADA, telemetry, and remote operations
 - Secure operator and maintenance access
- **Financial Services & Banking**
 - Customer portals, trading platforms, and mobile banking apps
 - Internal workflow protection
 - Zero-trust and passwordless authentication
- **Data Centres & Cloud Providers**
 - Multi-tenant hosting and cloud services
 - Secure management-plane access
 - High-performance segmentation and isolation
- **Government & Defence**
 - Protection of classified and internal systems
 - Secure access for remote and field personnel
 - IT/OT network segmentation
- **Healthcare & Pharmaceuticals**
 - Patient portals, clinical IT systems, and lab networks
 - Secure device and IoT integration
- **Industrial Manufacturing & Automation**
 - Fieldbus and PLC/SCADA protection
 - Remote engineering access and audit trails
 - IT/OT convergence with protocol-agnostic security

Business Benefits

- **Reduced Complexity:**

Fewer systems to deploy and manage. Gateryx replaces multiple security tools with a single integrated platform, reducing operational overhead and simplifying IT and OT security management.

- **Lower Operational Cost:**

Consolidation of security tools reduces licensing, maintenance, and support costs. Organisations can achieve enterprise-grade protection without maintaining multiple standalone products.

- **Enhanced Compliance:**

Identity-driven access simplifies audits and regulatory reporting. Gateryx provides detailed logs, policy enforcement, and traceability across IT and OT environments.

- **Future-Proof:**

Ready for passwordless, zero-trust environments. Gateryx is built to meet modern security standards and evolving regulatory and technological requirements, ensuring longevity and relevance

- **Cross-Domain Protection:**

Covers IT, web applications, and OT protocols. Gateryx secures both traditional enterprise systems and industrial fieldbus communications, enabling seamless IT/OT convergence

- **Enhanced Visibility & Insight:**

Provides unified monitoring, detailed audit logs, and actionable analytics across all managed environments. This enables faster risk identification, informed decision-making, and improved operational resilience.

Gateryx delivers **enterprise-ready, identity-first security** across IT and OT domains. Its protocol-agnostic design, unified stack, and low-latency architecture make it a strategic choice for sectors where uptime, compliance, and operational clarity are paramount. This is the ideal solution for organisations seeking a **robust, future-proof gateway** that secures digital and industrial assets under a single, streamlined platform.

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Documentation

<https://info.bma.ai/en/actual/gateryx/>

