IoT Command Center: Secure, Manage, Optimize

CHALLENGES AND THREATS

- Inability to secure factory operations due to lack of visibility into devices, their behaviors, and device context
- Operational continuity in the face of cyber risk such as data loss/theft
- Inability to integrate IT and OT intelligence hampers operational and cost efficiencies
- Desire to optimize operations and curtail rising operational costs by leveraging device data

ZINGBOX BENEFITS

- Provides real-time risk and vulnerability assessment with the largest IoT behavioral repository in the IoT security industry
- Solves the complex integration of IT and OT intelligence
- Reduces downtime through predictive maintenance
- Optimizes operations by leveraging the data flow that accompanies work flow and materials flow
- Ensures compliance for your entire IoT environment

KEY COMPANY STATS

- 1,100 deployments
- 1.6+ PB of IoT traffic analyzed per day
- 11.2 million devices secured
- 11 offices worldwide

As manufacturers pursue Industry 4.0 initiatives, industrial equipment and IoT devices are increasingly being connected to the network without sufficient safeguards in place. The never-ending addition, upgrade, and removal of devices, such as PLCs (programmable logic controllers), surveillance and security cameras, IoT gateways, robots, and LED sensors, expose the network to the same risks as traditional IT devices like PCs and servers.

However, the IT solution used for IT systems is not sufficient for emerging, heterogenous, agentless IoT devices. The lack of real-time visibility into devices and their behavior leaves industrial plants vulnerable to attack, resulting in disrupted operations and higher operational costs. Industrial plants require an IoT solution that can seamlessly integrate with the existing IT infrastructure and bring the same IT security rigor and management experience to IoT and unmanaged industrial devices.
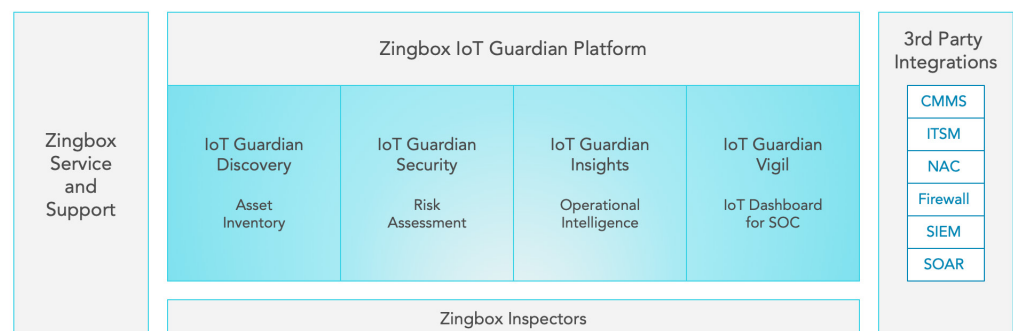
Zingbox IoT Command Center

Zingbox IoT Command Center is an IoT lifecycle management solution that helps industrial plants and manufacturers realize the full potential of IoT devices through advanced security, optimization, and management.

With patented machine learning technologies, Zingbox IoT Command Center is the first solution to address the challenges of protecting the diverse industrial cyber physical systems (CPS) that lack standardization, as opposed to existing security solutions designed to protect a homogeneous IT infrastructure. It allows you to manage the entire IoT lifecycle and extend IT best practices to CPS/IoT devices through automated orchestration.

Zingbox IoT Command Center

Zingbox Service and Support	Zingbox IoT Guardian Platform				3rd Party Integrations
	IoT Guardian Discovery	IoT Guardian Security	IoT Guardian Insights	IoT Guardian Vigil	CMMS
					ITSM
	Asset Inventory	Risk Assessment	Operational Intelligence	IoT Dashboard for SOC	NAC
					Firewall
					SIEM
					SOAR
	Zingbox Inspectors				

USE CASES

Inventory

Zingbox provides complete situational awareness with a dynamic, real-time, and context-aware inventory. Based on deep insight into your unmanaged devices, Zingbox constructs and maintains records for each one: vendor, model, serial number, operating system, and other parameters. You can easily create zero-trust policies for groups of devices and add compensating controls to ensure a secure and compliant network.

Risk Assessment

Every new device becomes a potential "weakest link" for unauthorized access and a possible threat to operations. Zingbox detects vulnerabilities through passive network analysis instead of using intrusive device probing methods to gather the security posture of a device. You can assess risks and vulnerabilities across the entire organization to ensure business continuity.

Operational Efficiency

To help organizations reduce TCO (total cost of ownership), Zingbox allows you to generate efficiency scores for your devices, departments, and facilities. It provides valuable operational insights, such as the study of operational traffic patterns and forensic analyses, to help you get more from existing equipment and make more informed decisions.

Secure

· Automatically discover, recognize, and assess risks to industrial devices, from PLCs and sensors to smart grids

· View asset records enriched with contextual data

· Alert IoT management when anomalies are detected

Manage

· Minimize downtime through predictive maintenance

· Simplify the monitoring, reporting, and upgrading of CPS/IoT devices

· Provide central management of IoT devices across sites

Optimize

· Provide real-time situational awareness and operational monitoring of your IT and OT environment

· Proactively optimize devices to minimize maintenance, lower TCO, and ensure uninterrupted operations

· Link to enterprise applications such as IT, OT, and business intelligence

Deployment

Zingbox IoT Command Center is a cloud-based, easy-to-deploy solution that seamlessly integrates with existing security infrastructures.
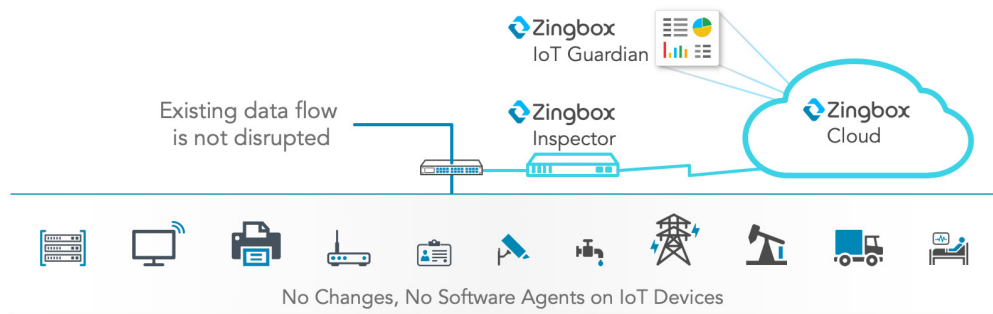
Integrations

With the broadest portfolio of integrations available, Zingbox makes it easy to integrate with existing, previously standalone systems, such as SIEM, NAC, and firewall, and orchestrate all from a single solution. Zingbox can also harness the value of IoT data in existing systems to obtain new business insights..

Support Services

Zingbox ensures you get excellent customer service, offering an array of flexible service and support options, from technical support and training to professional services and ongoing management.