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Axonius Cyber-Physical Assets: Features, Functions, and Benefits

Modern enterprises operate across a hybrid physical-digital landscape where IT systems, IoT devices, OT infrastructure, and cyber-physical assets are deeply interconnected. From manufacturing floors and utilities to healthcare networks and smart facilities, these environments are critical to business continuity, yet largely invisible to traditional security tools.

Axonius CPA changes that - One Platform. Every Asset.

Axonius Cyber-Physical Assets (CPA) extends the Axonius Platform beyond traditional IT, delivering unified visibility, network communication insight, contextual risk intelligence, and safe actionability across cyber-physical environments, at scale and without disruption.

Using passive network discovery combined with selective active identification, deep device intelligence, and policy-driven workflows, Axonius CPA helps security, IT, OT, and operations teams understand what's connected, why it matters, and how to reduce risk without impacting critical systems.

Axonius Cyber-Physical Assets Early Release - Foundational Functionality

Device Discovery & Classification

Feature	Function	Benefit
Passive Network Traffic Discovery	Monitors mirrored network traffic via SPAN/TAP ports to identify connected IoT, IoMT, and OT devices without requiring agents or intrusive scanning.	Enables safe, continuous asset discovery across sensitive environments where active scanning may disrupt operations.
Deep Device Fingerprinting (150+ Attributes)	Collects detailed metadata such as manufacturer, model, OS, firmware, protocols, MAC address, and serial numbers.	Creates a reliable, detailed asset inventory that supports risk analysis, device management, and operational planning.
Cyber-Physical Asset Classification	Automatically categorizes devices into IoMT, IoT, and OT asset groups based on observed protocols and behavior.	Helps clarify device ownership across IT, security, and operational teams and enables more targeted security policies.
Data Normalization & Deduplication	Correlates asset data from multiple sources including network sensors, CMMS platforms, and infrastructure systems.	Eliminates duplicate records and fragmented asset data, creating a trusted system of record across environments.
Asset Enrichment (SBOM / OS Intelligence)	Enhances device records with manufacturer intelligence including SBOM information, firmware status, and operating system data.	Provides deeper insight into how devices operate and improves visibility into device composition and potential risk factors.

Network Controller Integrations	Integrates with network management platforms such as Cisco Prime, Aruba AirWave, and Extreme IQ to collect access point and VLAN data.	Enables teams to identify where devices are physically located and map them to network segments or building areas.
Physical & Virtual Sensor Support	Supports deployment of physical or virtual sensors for passive network traffic collection.	Provides flexible deployment options across on-premises, distributed, or hybrid environments.

Risk, Vulnerability & Device Intelligence

Feature	Function	Benefit
Vulnerability & Misconfiguration Detection	Identifies known CVEs, weak credentials, outdated firmware, and insecure protocols associated with cyber-physical devices.	Helps organizations identify high-risk devices early and prioritize remediation efforts before issues impact operations.
Regulatory & Manufacturer Intelligence Feeds	Enriches device records with external data sources such as FDA advisories, MDS2 documentation, and ICS-CERT alerts.	Keeps asset intelligence current and helps teams respond faster to recalls, advisories, and security vulnerabilities.

Platform Architecture & Axonius Integration

CPA is built as a native extension of the **Axonius platform,** allowing cyber-physical devices to benefit from the same asset intelligence and automation capabilities already used to manage IT environments.

Feature	Function	Benefit
Adapter Ecosystem (800+ Integrations)	Connects Axonius to identity providers, SIEMs, NAC platforms, CMMS systems, cloud services, and more.	Enables organizations to leverage existing infrastructure investments while enriching asset intelligence.
Axonius Asset Cloud Correlation	Correlates cyber-physical device data with IT assets, identities, vulnerabilities, and network infrastructure.	Allows teams to understand how physical devices relate to broader enterprise risk and operational workflows.
Rapid Deployment	Guided collector deployment and onboarding process simplifies setup and validation.	Enables organizations to begin discovering assets and generating insights quickly, often within days.

Extending the Value of *Axonius Cyber Assets (CA)*

Axonius CPA builds directly on the Cyber Asset Management (CAM) foundation by expanding visibility beyond traditional IT assets.

Together, CA and CPA enable organizations to:

- discover every connected asset across IT, IoT, and OT
- build a unified asset inventory across digital and physical infrastructure
- enrich device data with network, vulnerability, and operational context
- bring cyber-physical assets into existing Axonius dashboards, queries, and workflows

The result is a single asset intelligence platform capable of supporting both security and operational teams.

Why Axonius CPA

See Every Asset. Understand Every Risk. Act With Confidence.

Axonius CPA brings cyber-physical assets into the Axonius Platform, unifying IT, IoT, and OT visibility with contextual risk intelligence and automated, safe response.

The result is one platform that helps organizations:

Discover unmanaged and agentless devices

Understand risk in operational context

Reduce exposure without disrupting critical systems

Ready to bring Cyber-Physical Assets (CPA) Into the Axonius Platform?

Book a personalized demo to see how Axonius CPA extends your existing asset intelligence to IoT and OT environments, helping your teams see every device, understand exposure, and take action with confidence.

Request a Demo

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