MERCURY MP INTELLIGENT CONTROLLERS

Future-Ready Security Through Open Innovation





Physical and digital security are converging, requiring more advanced computing capabilities at the edge.

Hybrid work environments increase the need for flexible, integrated access and fluid, convenient user experiences.

At the same time, the critical nature of security demands solutions that smoothly integrate with existing investments, empowering cost-effective, low-risk evolution toward optimized protection and agility.

Introducing Mercury MP Intelligent Controllers

Through compatibility, open technology and continuous innovation, Mercury MP Controllers provide a bridge between today's urgent security needs and tomorrow's emerging realities.

Enhanced processing and storage technology deliver a platform that is ready for tomorrow's edge-based software and analytics requirements.

Open architecture and the trusted support of the industry-leading access control platform provider with more than 5 million controllers installed worldwide mean you can be confident your controller infrastructure is ready for the challenges of today and well into the future.

Unmatched Cybersecurity

Mercury MP Controllers set a new benchmark in security, featuring advanced technologies and protocols to ensure continuous protection. At the core is the Linux-based Mercury firmware, MercOS 2.x, which is developed in-house by a team of world-class engineers dedicated to responding to changing customer and environmental needs.

Ultra-Rigorous Testing

In alignment with Mercury's Secure Software Development Lifecycle Policy (SSDL), Mercury firmware, MercOS, is subject to comprehensive testing. This includes static and dynamic analysis security testing (SAST, DAST) and software composition analysis (SCA). Additionally, continuous scanning identifies and addresses common vulnerabilities and exposures (CVEs), ensuring resilience against emerging threats.

Compliance Readiness

Mercury's commitment to meeting customer needs extends to simplifying compliance with stringent standards. Through threat modeling and assessments, our MP controllers are evaluated against regulations concerning security and privacy controls and functional requirements. This approach ensures that Mercury offerings meet or exceed the evolving demands of regulated industries.

Verified Code at Startup

Enforced from the controller's first instruction, secure boot validates each layer of software against cryptographic signatures, helping ensure that only signed and trusted firmware and application code can run.

Robust Reliability and Proven Continuity

Engineered for mission-critical deployments, Mercury MP Controllers are highly resilient and capable.

Advanced Software

MP and LP controllers run an upgraded operating system enabling feature enhancements, bug fixes and cybersecurity updates on a streamlined release cycle. LP controllers will receive updates until 2028.

Backward Compatibility

Mercury prioritizes compatibility, supporting seamless integration with existing systems. This minimizes disruptions and increases deployment and operational efficiency while enabling you to upgrade at your own pace.

Long Lifecycle

Mercury is committed to long-term hardware and firmware support to ensure customers can choose our solutions with confidence. This protects your investment, provides stability and predictability and lengthens the refresh lifecycle. A swappable component design ensures availability even in the event of supply chain disruptions.

Broad Support

Mercury's ecosystem encompasses a wide network of experts, partners and OEMs, creating a collaborative environment that fosters innovation and growth. This ensures that you can obtain and adapt best-of-breed solutions tailored to your business needs.

HID Trust and Assurance

Mercury MP Controllers are an integral part of the HID physical security portfolio, benefiting customers through extensive global resources, expertise and support.

Open and Future-Ready

Mercury helps you meet the challenges of today and tomorrow through a deep and lasting commitment to openness and interoperability, enhancing compatibility with the widest range of leading software and hardware. This helps reduce integration friction and future-proof your technology investments.

Application-Ready

Upgraded storage and memory along with a containerized software execution environment mean Mercury MP Controllers are ready to run advanced applications and analytics at the edge, whether locally or as an extension of server- and cloud-based solutions.

Innovation Unbound

The host API and versatile SDK simplify application development and deployment, broadening partner innovation and customer access to new functionality and features. Customers can also take advantage of proven Mercury apps for strong authentication/PKI and integration of wireless locks, power supplies, elevators and more.

Mercury MP Intelligent Controllers

Accelerate and future-proof your security strategy with Mercury MP Intelligent Controllers

Altogether, the openness and advanced design of the Mercury MP Controller lineup deliver unprecedented control and flexibility. Not only does it help you secure your business against present and future threats, but it also unlocks new possibilities for analyzing, managing and optimizing your operations.

Discover how the latest advances in open controller technology can take security to the next level at your organization.

Learn more



MP1501



MP2500



MP1502



MP4502

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