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Armatura Achieves SIA OSDP Verified Certification for Key Access Control Devices

15th December 2025 – Armatura, a global leader in biometric and access control solutions, today announced that multiple Armatura devices have earned the SIA OSDP Verified certification, confirming conformance to the SIA Open Supervised Device Protocol (OSDP) standard and Secure profile based on specification version 2.2.2. This third-party verification by the Security Industry Association (SIA) validates high-security, interoperable communication between readers, peripherals, and controllers in modern access control deployments.

The certification covers Armatura Secure Access Control Units (ACUs) and Secure Peripheral Devices (PDs) that were rigorously tested for conformance and feature support, including secure file transfer. For clarity, the verified devices and firmware versions are:

Secure ACU Devices (firmware 10.1.5)	Secure PD (I/O modules) (firmware 1.0.24)	Secure PD (Readers)
AHDU-1460	AHEB-0808	EP10C (firmware 14.0.25)
AHDU-1260	AHEB-1602	EP20CKQ (firmware 14.180.25)
AHDU-1160	AHEB-1616	EP20CQ (firmware 14.120.25)
AHSC-1000		EP30CF (firmware 14.210.25)
		VG10CKQ (firmware 34.90.25)

OSDP is an SIA-maintained standard for secure, bidirectional communication between access control panels and peripheral devices, offering encrypted channels, supervision, and modern feature profiles to replace legacy protocols such as Wiegand. By aligning with OSDP and obtaining independent verification, Armatura helps customers strengthen protection against eavesdropping and tampering while simplifying the design of interoperable, multi-vendor systems.

"This SIA OSDP Verified certification is more than a badge for us; it is a key milestone in our roadmap for secure, open, and future-ready access control," said Raymond So, General Manager of Armatura. "The markets today not only look for an architecture that lock them into proprietary ecosystems, but also need a premise to meet the highest expectations for cybersecurity and reliability. By investing in OSDP and third-party verification across controllers, I/O modules, and readers, we are giving integrators and end users the confidence to design interoperable systems with encrypted, supervised communication by default, instead of treating security as an add-on."

So added, "to Armatura, OSDP is a foundation for the next wave of innovation, from secure remote updates and diagnostics to tighter integration with biometrics and mobile credentials. As regulations and risk landscapes evolve, having standards-based, verifiably secure transport between field devices and control panels is essential for safeguarding identities, transactions, and critical infrastructure."

The certified devices integrate seamlessly with Armatura's broader portfolio, including touchless palm and face recognition readers, multi-tech RFID systems, and AI-enhanced platforms. The use of encrypted, supervised OSDP links over longer cable runs helps address common industry challenges such as signal interception and device spoofing, while enabling capabilities like secure file transfer, remote configuration, and real-time monitoring. These features can reduce truck rolls, lower maintenance costs, and enhance operational visibility in environments ranging from commercial offices and campuses to healthcare facilities and critical infrastructure.

Armatura submitted four ACUs, three I/O modules, and five readers for testing; all passed without compatibility issues, with only a minor PDID differentiation note recorded for specific reader models. This successful verification builds on Armatura's ongoing adherence to global standards and best practices in cybersecurity and data protection.

As listed on SIA's official OSDP Verified products page, Armatura now stands among a select group of manufacturers driving adoption of secure, standards-based access control. Specifiers, integrators, and end users can reference these listings when designing or upgrading systems to ensure that selected ACUs and PDs meet defined security and performance profiles.

About Armatura LLC

Armatura is a global biometric technology provider specializing in advanced security solutions, including touchless palm and face recognition, multi-tech RFID, and AI-enhanced systems. Headquartered in Alpharetta, GA, Armatura delivers compliant, high-performance products to clients worldwide, focusing on cybersecurity, GDPR adherence, and seamless integration for enterprise needs.

For more information, visit www.armatura.us.