

TROPIC01 The Future Proof Secure Element Now in Full Production and Available Worldwide

From Open Design to Global Distribution, a New Era of Hardware Security Begins

Prague, Czech Republic, 2 October 2025 – Tropic Square today announced that its award-winning secure element, [TROPIC01](#), has officially entered full production and is now available globally through a growing network of distribution partners.

Launched earlier this year and already recognized with numerous industry awards, TROPIC01 is the industry's first open, auditable, and continuously tested secure chip. In just six months, the team moved TROPIC01 from engineering samples to final production and volume shipping. This milestone is the beginning of a new era in hardware security, giving OEMs, device developers and manufacturers a unique opportunity to embrace transparency, auditability and speed of access.

Unlike traditional secure chips locked behind NDAs, guarded documentation, secrecy and slow approval, TROPIC01 is openly documented and can ship as soon as the next day. Development boards, including Raspberry Pi, Arduino, Mikroe and the newly released USB-C version are readily available. This level of accessibility and speed of availability removes barriers, enabling innovation from individual developers and startups to global companies. It also drives the creation of new markets and applications.

"With TROPIC01 now in full production, developers can move from prototyping to production with confidence," said Jan Pleskac, CEO and Co-founder of Tropic Square. "That confidence is essential, because electronic devices are under constant attack. And our open approach embraces that reality. TROPIC01 isn't just another chip, it's a living security process that evolves with every threat. And with our expanding network of distribution partners, teams of any size around the globe can easily access it," he added.

Designed for applications demanding advanced security and integrity, TROPIC01 rejects outdated "security through obscurity" models. Instead, it follows Kerckhoffs's principle based on independent verification and open evaluation. Continuously tested and scrutinized by customers, researchers, and the Tropic Square team, the chip evolves rapidly through accelerated improvements in firmware, ensuring it serves real-world needs while keeping the ecosystem open and collaborative.

Miro Svetlik, Co-founder of ContentWise and early adopter of TROPIC01 stated, *“Our single-board computers are built with a clear philosophy: security by design, not by afterthought. Building on top of OpenWRT Linux and integrating Arm Secure Boot and Tropic Square’s TROPIC01 secure element, we deliver systems where security is the foundation. What we truly appreciate about TROPIC01 is the great documentation and transparency. Because if I can’t verify it, I can’t trust it. And if I can’t trust it, how can my clients?”*

In industries where device integrity can’t be compromised, whether it’s crypto hardware and hardware wallets, digital Identity (Access Management, USB authenticators, Secure Storage) or IoT (Decentralized IoT, Critical Infrastructure, Industrial, Edge AI robots), developers can now source a secure element that combines tamper-proof technology with auditability for long-term resilience.

Production-ready TROPIC01 boards and samples are available today through Tropic Square’s distribution partners like Digikey and at www.tropicsquare.com.

About Tropic Square

Tropic Square is a European fabless semiconductor company on a mission to fix what’s broken in hardware security. Unlike traditional closed-source chips, we design and manufacture secure elements that are fully open, auditable, and continuously tested. We invite anyone to inspect, attack, and verify them. Our flagship product, TROPIC01, empowers developers to build systems that are tamper-proof, transparent, and future-proof, whether for IoT devices, Web3, crypto wallets, or critical infrastructure. At Tropic Square, we don’t just make chips; we build a living security process that evolves with the threat landscape.

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