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HUA Protocol: a common layer of identity and trust for people, machines and AI agents

HUA Omni, the first platform built on the protocol, is in open beta: for anyone who wants to discover it, and for partners

Vevey, Switzerland, 18 November 2026 — AI agents book, pay and write on someone's behalf. Drones, robots and vehicles take orders remotely. Yet on the Internet nothing proves *who* is speaking: keys are shared, messages pass through intermediaries that can read them, and a command does not prove its author. HUA Protocol closes that gap.

An identity of one's own, for every entity. With HUA Protocol, every person, AI agent, machine and object is born on its own device with its own key pair. Its identifier is the fingerprint of its key: nobody issues it, nobody can confiscate it. Every message, command and location is signed by its author and end-to-end encrypted; the relay that stores them holds no key and cannot read them. Signatures and encryption combine classical and standardised post-quantum algorithms (ML-DSA and ML-KEM, FIPS 204 and 203).

In open beta. HUA Omni, the first brand built on the protocol, is open in beta to anyone who wants to discover it at huaomni.com: ephemeral messages and media, sealed mail, encrypted audio and video calls, signed location sharing, and signed orders between entities with an acknowledgement anyone can verify. A free account is enough to try it — and to plug in an AI agent: with HUA MCP, an agent gets its own identity and 68 tools to act with it, under its owner's mandate. During the beta, the machine tools (drones, vehicles, robots, devices) are reserved for partners.

Machines too. Drones, robots and vehicles enrol with their own identity, receive signed orders and report back verifiably; an intruder's command is refused. This is demonstrated every day on simulation twins: a drone flown by PX4, the autopilot used across the drone industry, a ROS 2 robot and an autonomous vehicle. The protocol core runs down to a microcontroller, and 1,000 machines enrol in a single batch in under six minutes.

Verified, not promised. At every release, more than 80 automated proofs replay the protocol end to end across six programming languages: official NIST vectors for ML-KEM and ML-DSA, Wycheproof test suites, timing-leak measurement, formal models of the exchanges, and over a million hostile calls fired at the core every day.

Open to partners. HUA Protocol belongs to no single application. A company, a manufacturer or a country can implement it under its own name, host its own relay and build its own services with the same guarantees. The kits (Python, C, Java, Swift, JavaScript), machine tools and relay are provided to partners; an evaluation kit lets them test it on their own premises.

> "AI agents, machines and connected devices already act on our behalf. We must be able to communicate with them as we would with a person, and know at every moment who is doing what. HUA Protocol gives everything that communicates a digital identity of its own: every exchange carries its

> author's signature, can be verified, and can be read only by those it is meant for." — Richard Kaboré, founder of HUA Omni

About the founder

Richard Kaboré, founder of HUA Omni, is based in Vevey, Switzerland. A technology entrepreneur since 2018, he designs data and digital trust systems, and has taken part in asset tokenisation projects. In 2022 he created QuantumFusion Engine, a proprietary data generation engine producing vector signatures directly usable on real quantum hardware; 22 of its jobs are publicly verifiable on IBM and IonQ quantum computers. HUA Protocol extends that work: giving every person, machine and AI agent an identity that truly belongs to it. His rule: nothing is announced before it is proven.

About HUA Omni

HUA Omni, based in Vevey, Switzerland, builds HUA Protocol, a common layer of identity and trust for everything that communicates, and the HUA Omni platform, the first brand built on it, now in open beta. Website: huaomni.com.

Press contact: info@huaomni.com **Press kit (release, logos, images, videos):** huaomni.com/presse.html