

Matrikon eFlex™ SDK

Small Footprint. Big Impact.

The compact way to give small devices a trusted, standards-based voice, Matrikon eFlex bundles an OPC UA Server and Pub/Sub (UDP) into a production-ready SDK for sensors, controllers, and compact gateways.

The result? Resource-constrained hardware can share data securely, reliably, and in real time.



Plug-and-Play OT Data Transparency ————— The How

Standards You Can Trust



Native OPC UA Server, empowers devices to use a common language

Real Time When It Matters



UA Pub/Sub UDP for fast, predictable device updates

Standards-Based Security



Modern crypto (ECC) + certificate handling enhanced field security needs

Portable by Design



C++ API; refs for Linux/Windows & FreeRTOS/LwIP.

Fits Tight RAM Budgets



Profile-tuned builds that fit into 150 KB RAM

Conformance-tested



Validated to **OPC UA 1.04** (Micro Embedded + Data Access), 1.05 (2026)

Accelerate Time-to-Market ————— The Why

Ship Quality Sooner



Prebuilt OPC UA: sessions, security, subscriptions, Pub/Sub.

Effortless Interoperability



Standardize OPC UA across vendors/apps/sites.

Lower Technical Debt



Less custom protocol code to write and maintain across devices.

Real-time Ready



Predictable low latency for embedded/control.

Proven & Portable



C++ API; Linux/Windows + FreeRTOS/LwIP

Future-Ready Design

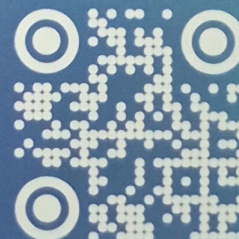


TSN/UA FX via UA Pub/Sub UDP and BE. eTSN.



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