

Next-gen **multi-platform** connectivity product built using leading edge technology and decades of experience in implementing **SEMI standards**



One Product that Supports GEM, GEM300, and EDA/Interface A

Cimetricx® EquipmentConnect enables equipment manufacturers to integrate **one product** that runs on **multiple operating systems** and supports GEM, GEM300, and EDA/Interface A factory connectivity protocols.

Problem with Status Quo

Current solutions struggle to keep pace with **rapidly changing industry requirements**, often being tightly coupled to specific platforms or environments. This **limits flexibility**, making it harder for organizations to adapt across operating systems and processor architectures as their technology needs evolve.

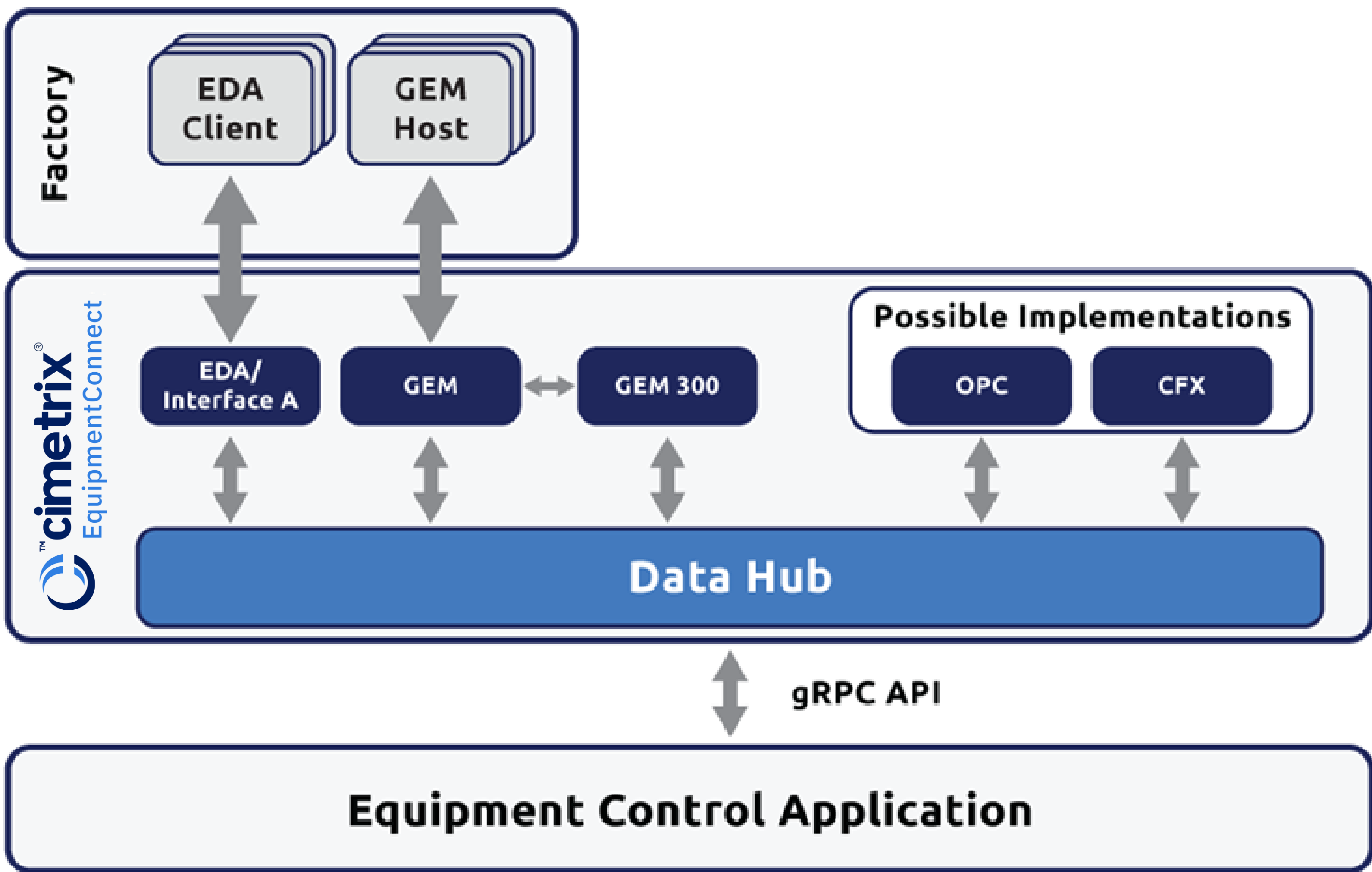
Solution Highlights

- Multi-platform development and deployment: **Windows or Linux**
- Multi-protocol support in a **single product**
- Out-of-process execution with **gRPC API**

Components

- Data Hub**
Define data once and publish across enabled protocols
- Control Panel**
GUI for testing and monitoring GEM, GEM300, and EDA
- Flexible Protocol Licensing**
Enable only the protocols each factory needs
- Integrated Testing Tools**
Manual and automated testing with EquipmentTest and ECCE Plus

EquipmentConnect Architecture



Use Cases

Accelerating Factory Readiness for New Equipment Platforms

Equipment manufacturers often need to support **GEM, GEM300, and EDA/Interface A** simultaneously to meet factory acceptance requirements.

Historically, this has required dedicated integrations, parallel data models, and protocol-specific expertise — creating an opportunity to **streamline development, reduce costs, and simplify standards compliance** across both **Windows and Linux** deployments.



Challenge

Supporting multiple protocols and platforms leads to **long development cycles** and **higher complexity**.



Solution

Define data **once** and publish to multiple protocols using a **single architecture** to accelerate factory acceptance.



Challenge

Varying factory protocol requirements drive **multiple implementations** and paying for **unused** functionality.



Solution

Integrate once, license per factory — use only required protocols while **reducing cost, complexity, and deployment effort**.

Only Pay for What the Factory Needs

EquipmentConnect allows equipment manufacturers to **integrate all connectivity protocols** once, then enable only the protocols each factory requires through flexible licensing.

This approach **reduces deployment complexity** and **eliminates the need to pay for unused functionality** while still supporting diverse factory requirements.

Includes pre-built sample applications

Handles all GEM messages and state models out-of-the-box

Simplifies complex carrier verification scenarios into a few API calls

SEMI Standards Supported



SECS/GEM
GEM300
EDA/Interface A Freeze 2 (including E164)

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