

AX-S4 ICCP

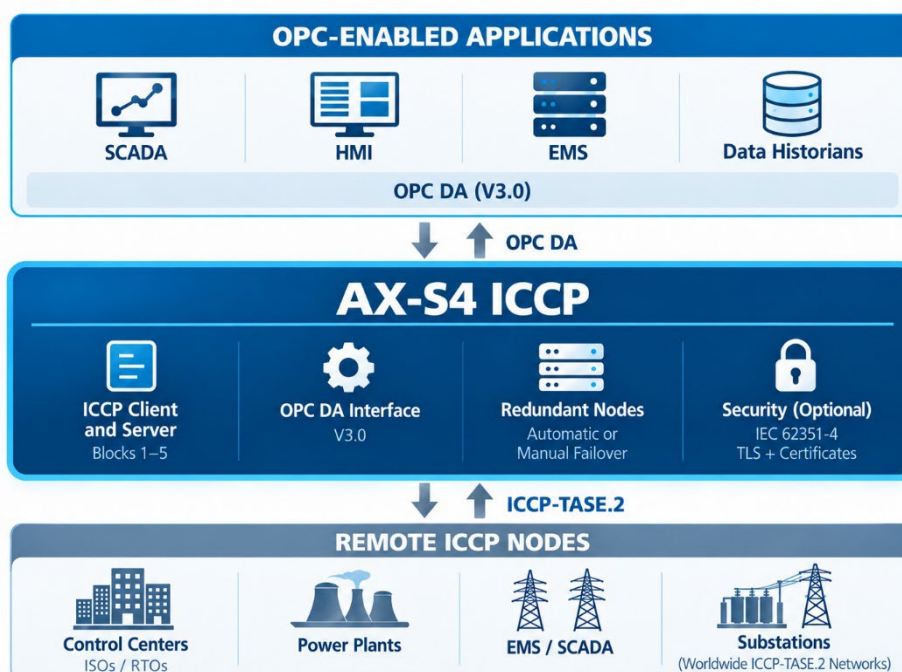
Plug-In ICCP-TASE.2 Connectivity for Control Center Systems

AX-S4 ICCP (“Access for ICCP”) connects your control center to any control center, power plant, EMS, or SCADA system that speaks **IEC 60870-6 TASE.2 (ICCP)** – the international standard for real-time data exchange across organizational boundaries. It adds ICCP client and server connectivity to any Windows application that supports **OPC Data Access (DA)**, including off-the-shelf **SCADA, HMI, EMS, and data historian** products – **without custom programming**.

Utilities, ISOs, RTOs, and TSOs use ICCP-TASE.2 for **generation dispatch in open energy markets, control of aggregated demand response, and data exchange across large supranational transmission systems**.

Protocol & Platform Coverage

- **ICCP Blocks 1, 2, 3, 4, and 5** as both client and server: periodic and report-by-exception data, blocked transfers, information messages, and device control
- **IEC 60870-6 TASE.2 V1996-08 and V2000-08** with millisecond timestamps and all-changes-reported
- **OPC DA V3.0** client and server interfaces for direct plug-in to existing applications
- **Redundant configurations** with automatic or manual failover
- **IEC 62351-4 security extensions** – available as an optional add-on
- Runs on **all currently supported Microsoft Windows operating systems**



Key Benefits

- **No-Programming Integration.** Add ICCP-TASE.2 to the SCADA, HMI, EMS, or historian you already run. No protocol code to write or maintain.
- **Scales Without Penalty.** No per-point or per-tag licensing. Grow from a single link to large systems without renegotiating cost.
- **Continuous Data Exchange.** Redundant configurations with automatic or manual failover keep inter-utility data flowing through hardware or link outages.
- **Faster Setup for Large Systems.** GUIs automate configuration and monitoring; spreadsheet import/export configures large point lists in bulk.
- **Low Implementation Cost.** Runs on standard Windows platforms with off-the-shelf OPC applications – no special hardware.
- **Field-Proven Interoperability.** Robust interoperability with ICCP-TASE.2 implementations from other vendors.

Standards & Platform Support

IEC 60870-6 TASE.2	V1996-08 & V2000-08 · Blocks 1–5 · Client and server
OPC DA	V3.0 client and server interfaces
IEC 62351-4	Optional security: TLS encryption & strong authentication
Redundancy	Automatic or manual failover
Platform	All currently supported Microsoft Windows OS

AX-S4 ICCP Security Add-On

Optional security extensions overlay the standard AX-S4 ICCP to add **TLS encryption** and **strong application-level authentication** per **IEC 62351-4** and **NERC requirements** for securing ICCP-TASE.2. They prevent eavesdropping on critical real-time data and block unauthorized access from spoofed remote computers.

- TLS encryption via OpenSSL, with configurable, periodic symmetric key renegotiation for long-lived associations
- Strong authentication using 1024/2048-bit digital certificates at connection establishment
- Secure and standard associations run simultaneously for both ICCP clients and servers
- Configurable cipher selection to match your security profile
- Windows certificate store integration and a security configuration utility for certificate management
- Available separately or bundled with an AX-S4 ICCP license; exportable to most countries under encryption regulations

Get Started

Planning a new interconnect, joining an ISO/RTO, or integrating a power plant? Contact SISCO to get more answers from the engineers who built AX-S4 ICCP.

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