



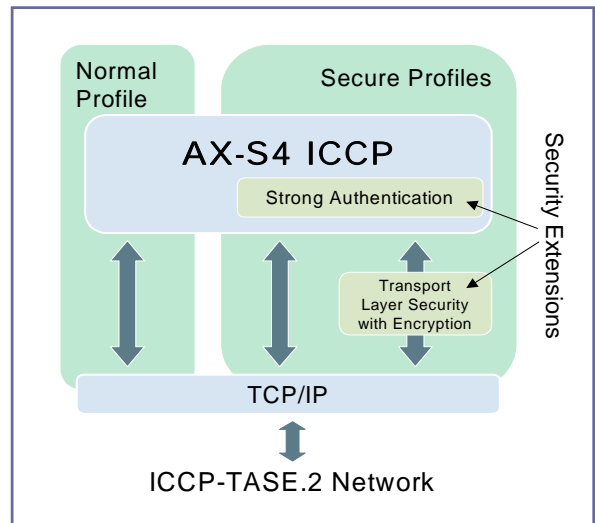
The Standards Based Integration Company

Systems Integration Specialists Company, Inc.  
6605 19½ Mile Road  
Sterling Heights, MI 48314-1408 USA  
Tel: +586-254-0020 Fax: +586-254-0053  
info@siconet.com http://www.siconet.com

## Security Extensions for **AX-S4** ICCP

### Description

The Security Extensions for AX-S4 ICCP enable secure communications for the Intercontrol Center Communications Protocol (ICCP - IEC60870-6 TASE.2) using SISCO's AX-S4 ICCP product. AX-S4 ICCP is an OLE for Process Control (OPC) server that provides a plug-in driver for ICCP-TASE.2 blocks 1, 2, 4, and 5 to any OPC compatible client application such as OSIsoft PI, Wonderware InTouch, Cimplicity/iFix, Citect, etc. The Security Extensions for AX-S4 ICCP is an optional add-on that can be overlaid on the standard version of AX-S4 ICCP to add the capability of supporting encryption and strong authentication based on IEC recommendations for securing ICCP-TASE.2.



### Benefits

- ❑ Encryption of data provides added security to ICCP-TASE.2 systems by preventing eavesdropping of critical real-time data.
- ❑ Ongoing symmetrical key renegotiation makes breaking of encryption keys impractical for long-lived associations.
- ❑ Strong Authentication using digital certificates helps prevent unauthorized access to data via spoofing of remote computers.
- ❑ Configurable cipher selection provides users flexibility to tailor security profile to their individual needs.
- ❑ Uses MS-Windows certificate store for digital certificates to provide compatibility with 3<sup>rd</sup> party certificate management tools.

### Features

- ❑ Provides support for strong authentication and encryption using digital certificates per IEC TC57 WG15 and WG07 recommendations of IEC 62210 and the emerging IEC62351 standard.
- ❑ Supports simultaneous communications over secure and normal associations with or without strong authentication for both ICCP-TASE.2 clients and servers.
- ❑ Successfully tested for interoperability with other ICCP-TASE.2 suppliers.
- ❑ Security extensions for AX-S4 ICCP are available separately or bundled with an AX-S4 ICCP license.
- ❑ Uses Transport Layer Security (TLS) via the OpenSSL Toolkit.

## Ordering Information

<b>AXS4-ICCP-SECURE-135-095-DEV</b>	Security Extensions for existing AX-S4 ICCP Development License. Includes one year of support and maintenance.
<b>AXS4-ICCP-SECURE-135-095-PAK</b>	Security Extensions for existing AX-S4 ICCP Run-Time Package.
<b>AXS4-ICCP-SECURE-132-095-DEV</b>	New License for Secure Version of AX-S4 ICCP Development License. Includes one year of support and maintenance.
<b>AXS4-ICCP-SECURE-132-095-PAK</b>	New License for Secure Version of AX-S4 ICCP Run-Time Package.

## About SISCO

SISCO, Inc. is a private company founded in 1983. SISCO has established itself as a leader in standards-based real-time integration and communications technologies serving the energy and automation industries. SISCO's products are widely used in many mission critical applications from electrical transmission systems to material handling. We work with both end users and OEMs serving those end users. SISCO's ability to partner with other OEMs and integrators allows us to deliver more capabilities at a lower cost resulting in better solutions for you. Today SISCO has demonstrated leadership and capabilities to provide solutions in the following areas:



- ❑ Utility Integration Bus (UIB): Model-driven integration technology based upon advanced publish/subscribe and object oriented technology for enterprise integration of heterogeneous applications for utilities.
- ❑ Real-time communications and networking based upon open, public, and international standards such as:
  - Inter-control Center Communications Protocol (ICCP) per IEC60870-6 TASE.2 for control center integration and power plant dispatching
  - Object oriented substation automation protocols per IEC61850.

NOTES: 1.) Specifications presented herein are thought to be accurate at time of publication but are subject to change without notice. NO WARRANTIES OF ANY KIND ARE IMPLIED ON THE INFORMATION CONTAINED IN THIS DOCUMENT. 2.) All company names, product names, tradenames, and trademarks are trademarks or registered trademarks of their respective companies. 3.) This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (<http://www.openssl.org/>). 4.) **This software contains encryption algorithms and is subject to import and export restrictions.** There is no encryption software in the standard version of AX-S4 ICCP.

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*Systems Integration Specialists Company, Inc.*  
6605 19½ Mile Rd, Sterling Hts, MI 48314-1408 USA  
Tel: +586-254-0020 Fax: +586-254-0053  
info@sisonet.com <http://www.sisonet.com>

Represented By:



**AMA-SYSTEMS GMBH**

Stuttgarter Str. 13, 75179 Pforzheim, Germany  
Tel. +49-7231-78 61 13, Fax. +49-7231-78 95 78  
contact@ama-systems.com, [www.ama-systems.com](http://www.ama-systems.com)