

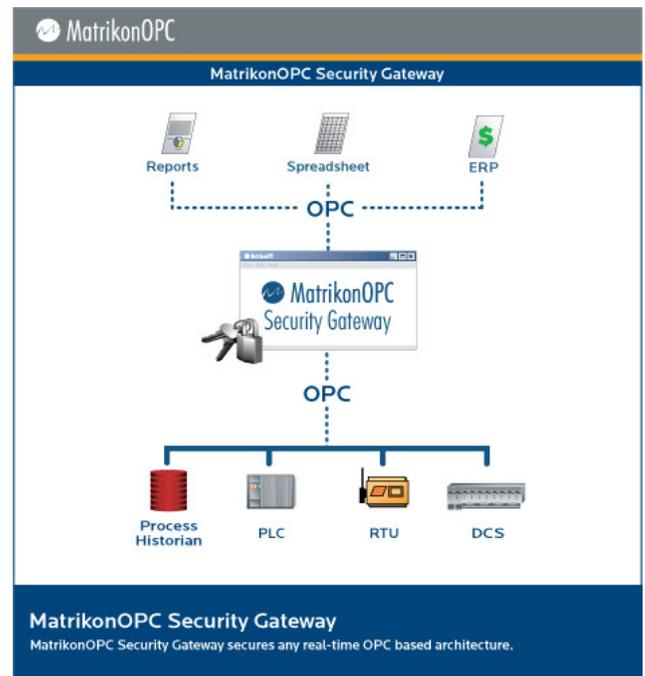
OPC Security Gateway

MatrikonOPC Security Gateway secures all real-time OPC architectures. Unlike OPC solutions that rely only on DCOM security, Security Gateway controls who can browse, add, read and/or write to a tag on a per-user-per tag basis on any OPC DA server. Fully standards-based for maximum compatibility, the Security Gateway implements the OPC Foundation's OPC Security specification.

Supporting all vendor compliant OPC DA servers, MatrikonOPC Security Gateway fills security gaps in real-time OPC architectures. Easily transform any real-time OPC architecture from a security liability to an effective component of a successful defense strategy.

Features include:

1. Secures entire real-time OPC architectures
2. Hides OPC Servers from unauthorized users
3. Enforces role-based security
4. Fully compliant with the latest OPC Foundation Security Specification
5. Compatible with all OPC DA clients and servers, regardless of vendor
6. OPC Tunneller enabled – natively supports MatrikonOPC Tunneller
7. client connections
8. existing systems can be secured without going offline
9. Compatible with all OPC DA Clients even those that do not support the OPC Foundations OPC Security specification
10. Leverages existing Windows security Offers true granular access control
11. OPC DA Compliant



Does your OPC data architecture have the following security risks?

- Uncontrolled user access
- Unrestricted read-write access for the entire OPC architecture
- Users adding crippling loads to your control systems via an unsecured OPC server
- Users crippling your control system with "device-writes"
- Users adding crippling loads to the control system during bulk item adds
- Unauthorized personnel reading production data
- Use of OPC servers that do not implement the OPC Security specification

- Use Security Gateway to enforce true role-based security for total control over access to OPC data.

OPC Security Gateway supports HDA Now*:

OPC Security Gateway now supports HDA enabling customers to secure all HDA OPC Servers. OPC Security Gateway with HDA support also provides:

- HDA operations supported (Read Raw, Read Processed, Insert, and Insert and Replace)
- Provides secure OPC DA data from HDA OPC Servers.
- Ability to process raw data from the OPC Server and provide the data as processed data.
- Ability to perform multiple requests to fulfill a single large request from the OPC Client, to throttle requests to low performance HDA OPC Servers.
- Ability to throttle based on maximum number of items and maximum values per request.
- Reconnect and retry mechanism to seamlessly handle request failures.

*This feature is optional.

For maximum security, the Security Gateway works seamlessly with MatrikonOPC Tunneller. Combining Security Gateway with MatrikonOPC Tunneller's data encryption is the preferred method of hardening distributed OPC architectures.

Supported OPC Specifications:

- OPC DA (OPC Data Access) 1.0a, 2.05a, 3.0
- OPC HDA (OPC Historical Data Access) 1.0, 1.1, 1.2
- OPC Security 1.0

System Requirements:

PC Hardware

The following PC Hardware is required:

- Intel® Pentium® 4 Processor
- 512 MB RAM
- Minimum 32 MB of available hard disk space
- CD-ROM driver
- Super VGA (800 × 600) or higher-resolution monitor with 256 colors
- Mouse pointing device

PC Software

The following Windows Operating Systems will support this OPC Server:

- Windows XP
- Windows 2003
- Windows 7 and 2008



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