Matrikon® OPC UA Tunneller™ Datasheet

Take the Guesswork out of OPC UA Migration!

SUPPORT TOMORROW'S INTERCONNECTIVTY NEEDS WITH WHAT YOU HAVE TODAY

Increased connectivity requirements, along with the rise of the Industrial Internet of Things (IIoT) and Industrie 4.0, have created a challenge for the automation industry to standardize network protocols on more functional and interoperable platforms.

Growing demand for the OPC Foundation's next-generation communication standard, OPC Unified Architecture (OPC UA), is pushing the technology into mainstream adoption. OPC UA breaks down communication barriers stemming from modern data security concerns and a lack of third-party data interoperability.

PREPARE FOR THE FUTURE WITH OPC CLASSIC-OPC UA INTEGRATION

Automation vendor adoption of OPC UA continues to accelerate in response to industry demand for open, secure, and reliable data connectivity. With this shift, engineers, IT, and System Integrators alike need to properly integrate new OPC UA-based data sources (i.e., devices and applications) into their existing OPC Classic-based architectures. Such integration of OPC Classic assets with OPC UA components is critical because a "rip-and-replace" strategy of existing OPC Classic infrastructure in favor of OPC UA-based technology is not economically feasible.

For the past 10 years, Matrikon® OPC Tunneller™ has delivered a best-in-class solution to eliminate the majority of OPC Classic connectivity problems via a single, easy-to-use package. With Matrikon OPC UA Tunneller, Matrikon continues this legacy while adding powerful functionality to extend the useful life of your OPC Classic components.

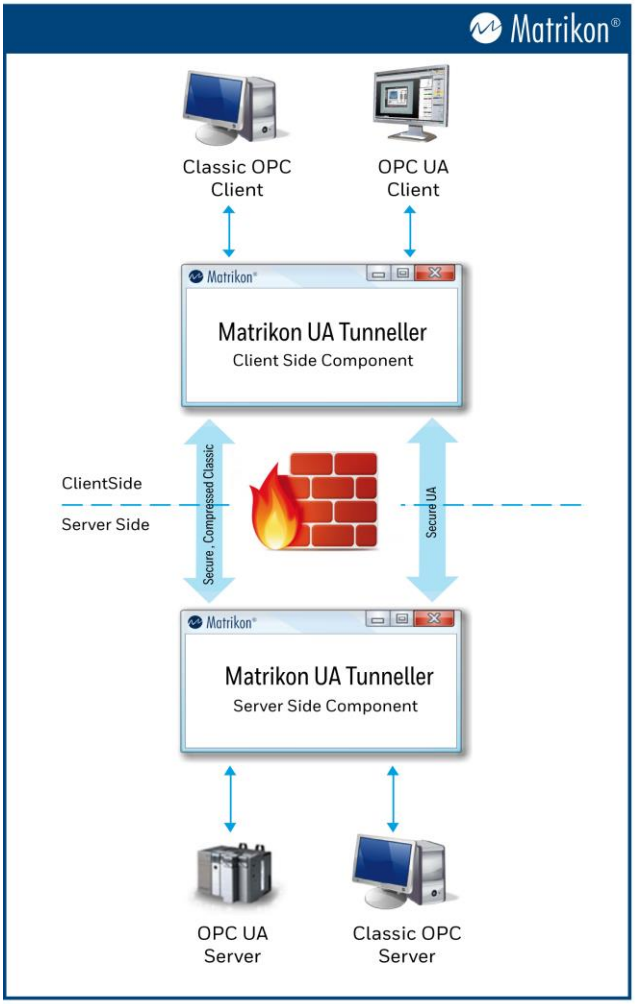

Figure 1 Matrikon OPC UA Tunneller facilitating OPC Classic and OPC UA Interconnectivity

Use Matrikon OPC UA Explorer to extend the productive life of your OPC Classic infrastructure.

SECURE AND ENHANCE OPC CLASSIC COMMUNICATIONS

Matrikon OPC UA Tunneller maintains the tried-and-true features of the original OPC Classic-focused Tunneller while offering expanded capabilities using a common, user-friendly interface to enable you to get your OPC connectivity up and running quickly.

Matrikon® OPC UA Tunneller addresses the top five issues encountered using OPC Classic components based on Microsoft's Distributed Component Object Model (DCOM). Using this solution will allow you to:

- Eliminate permission issues encountered across domains and workgroups
- Enable OPC Classic data transfer through firewalls by eliminating the use of DCOM
- Compress OPC Classic traffic to reduce bandwidth utilization (compared to DCOM-based traffic)
- Overcome OPC timeout issues and disconnections caused by DCOM
- Encrypt OPC data between OPC Clients and Servers to provide data privacy

Matrikon OPC UA Tunneller is the right choice where secure, reliable connectivity between Classic-to-Classic and/or Classic-to-UA data components is needed.

Matrikon® OPC UA Tunneller:

Optimize All Your OPC Applications

Simplify OPC UA migration planning with Matrikon OPC UA Tunneller by seamlessly integrating your OPC UA Clients and Servers with your OPC Classic architecture without replacing existing assets. This makes it easy to add new OPC UA-based components while protecting existing investments and complying with IT best-practices for maximum security.

FEATURES & BENEFITS

Key Features:

- Seamless OPC data transfer through multiple mediums across geographical locations
- Easy configuration
- Operates in the familiar Microsoft Windows environment
- Smart defaults requiring minimal user knowledge of OPC UA
- 64-bit support for both client-side and server-side connections
- Built using the Flex OPC UA SDK from Matrikon
- Filtering functionality for optimized large tag browsing efficiency
- Ample Status tags for OPC real-time data health monitoring
- DA functionality now available
- OPC UA DA real-time support

Customer Benefits:

- Allows easy access to OPC Classic sources
- Aligns OPC Classic connectivity with IT best-practices
- Eliminates rip-and-replace of OPC Classic assets

Matrikon OPC UA Tunneller makes OPC data connectivity painless regardless of whether you need to connect between different enterprise levels or across the globe.

FOR MORE INFORMATION, GO TO

www.matrikonopc.com/opc-ua/products/opc-ua-tunneller.aspx

GET SETUP QUICKLY AND EASILY

MatrikonOPC UA Tunneller provides an intuitive, user-friendly interface to help you get your Classic-to-Classic OPC connectivity and Classic-to-OPC UA bridging up-and-running quickly and efficiently.

ROBUST SOLUTION, RELIABLE COMMUNICATION

The OPC UA Tunneller UA-to-Classic Bridge for COM OPC Servers provides OPC UA Clients with access to legacy COM OPC DA and HDA Servers using the OPC UA specifications. The UA-to-Classic Bridge exposes COM OPC Servers as folders in the OPC UA Server's address space and can be configured to host multiple OPC Servers.

Matrikon OPC UA Tunneller helps future-proof your control infrastructure in anticipation of increased utilization of OPC UA. It takes the stress and uncertainty out of deploying new technology and ensuring reliable OPC Classic/OPC UA interoperability and cross-network communications. Greater efficiencies in terms of design, engineering and testing can also be realized.

PUT THE LATEST TECHNOLOGY TO WORK

Modern industrial operations need to be able to fully leverage their current OPC Classic-based assets. The answer is Matrikon OPC UA Tunneller, which allows OPC UA-enabled client applications to communicate with OPC Classic Servers and Clients, as well as OPC UA Servers and vise versa. For example, a human-machine interface (HMI) that is still utilizing OPC Classic could be adapted to interface with OPC UA devices. As a result, operators are able to remain on their current systems while gaining additional insights and connectivity with UA-enabled equipment as it is added.

SUPPORTED OPC SPECIFICATIONS

- OPC DA (OPC Data Access) 2.05a
- OPC UA (DA)

SYSTEM REQUIREMENTS:

Software Requirements:

- Microsoft Windows 7 (32-bit and 64-bit)
- Microsoft Windows 10 (64-bit)
- Microsoft Windows Server 2008 R2 SP1 (64-bit)
- Microsoft Windows Server 2012 R2 (64-bit)
- Microsoft Windows Server 2016

Hardware Requirements:

- Intel CORE i5
- 4 GB RAM
- 80 GB 7200 RPM Hard Drive

More Information

To learn more about Matrikon, visit www.MatrikonOPC.com or contact your Matrikon account manager.

Matrikon

EMEA:
Phone: +49 221-96977-0
europe@MatrikonOPC.com

Americas:
Phone: 1-780-448-1010
Fax: 1-780-448-9191
houston@MatrikonOPC.com

Asia-Pacific:
Phone: +61 (2) 4960-1000
Fax: +61 (2) 4960-1212
asiapacific@MatrikonOPC.com

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