OPC UA Embedded Server SDK
Infineon XMC4700 Demo
Quick Start Guide

This document is designed to get you up and running with the OPC UA Embedded Server SDK Infineon XMC4700 Demo as quickly as possible.

Getting Started

To begin please perform the following tasks:

- Import the project into DAVE.
- Connect the board to your network with the supplied RJ45 network cable.
- In the IDE, open **main.h**. In this file change the IP address, netmask and gateway of the board to suit your network settings.
- Build the project and flash the board.
- Connect to the server with no security from your OPC UA Client at the following endpoint "opc.tcp://192.168.0.61:4840", replacing the IP address with whatever address you gave the board.
- A sample OPC UA Client can be downloaded from the OPC Foundation's GitHub page at **http://opcfoundation.github.io/UA-.NET/**.
- The Server address space contains a variety of variables that are mapped to the I/O on the blue baseboard. Observe the inputs and activate the outputs via the OPC UA Server.
- The server will run for 2 hours and then requires the board to be reset. If you wish to run the server for longer please contact MatrikonOPC for a license string.

Network Configuration

If you are unable to assign a static IP address for your network for policy reasons you can plug the board directly into your PC with the provided patch cable and modify your PC network settings to be on the same subnet as the board.

Supported Features

The features enabled in the demo SDK library are as follows:

Feature Support	Full SDK	Demo
OPC UA Data Access	X	X
OPC UA Standard Address Space Type Information	X	
Security (Transport Layer Authentication and Encryption)	X	
Multithreaded Operation	X	
Optimised for high speed	X	
2 hour runtime restriction		X

The SDK demo is runtime restricted to 2 hours after which time you must reset your device in order to continue. If you would like to evaluate the demo without any runtime restriction please contact MatrikonOPC for a license key.

For More Information

Should you require more details, please refer to the SDK documentation. There are two documents. The API reference manual is in HTML format at "Documentation\SDK\API Reference\index.html". The SDK User Manual is a PDF at "Documentation\SDK". For further assistance, please contact MatrikonOPC Support.

The MatrikonOPC Customer Services department (**www.opcsupport.com**) is available 24 hours a day, seven days a week. Contact MatrikonOPC Support using the information below, or send an email (**support@MatrikonOPC.com**).

For Monday to Friday **daytime support** requests, contact MatrikonOPC Support using the following regional phone numbers.

Region	Office Hours	Contact Information
North America UTC/GMT -7 hours (MST)	8:00am-5:00pm	**+1-877-OPC-4-ALL**
Europe /Africa * UTC/GMT +1 hours (CET)	9:00am-5:00pm	**+49-221-969-77-0** **(Request OPC Support)**
Australia/Asia * UTC/GMT +10 hours (AEST)	9:00am-5:00pm	**+61-2-4908-2198** **(Request OPC Support)**

* Toll-free regional numbers coming soon!

For **after-hours support** in all regions, please use the following number. There is no extra charge from MatrikonOPC for calling their after-hours support number.

Region	Contact Information
All	+1-780-231-9480