



AIC OpcUa Extender Server is an Open Platform Communications Unified Architecture (OPC UA) server package focused on communicating with systems for data collection. Based on the OPC UA information model, we provide the platform required for information collection and allow users to leverage the service-oriented architecture of OPC UA to organize their complex data into an OPC UA namespace.

With features such as tag subscriptions and real-time updates, AIC OpcUa Extender Server plays a key role as a communication portal that allows OPC UA clients to manipulate HMI or PLC data. AIC OpcUa Extender Server consists of a configurable GUI for parameters and settings as well as an OPC UA server service to act as a hub for gathering data and sending them to OPC UA client applications, enabling a streamlined OPC UA system operation.

Why AIC OpcUa Extender?

Key Features

- Easy access to Modbus/TCP, Modbus/RTU and Modbus/ASCII devices.
- Multi-user Authentication by Windows logon and Certification .
- User-defined data structure & information model.
- Full data logger, historical data access, alarm & event functions.
- Support server-client and pub-sub modes.
- Support up to 1000 client connections.
- Convert and save data to MySQL, MS SQL, Azure SQL and .csv.
- Support Max historical queue size to 1000 in 500ms sampling rate.
- RESTful API for data access and node configuration.

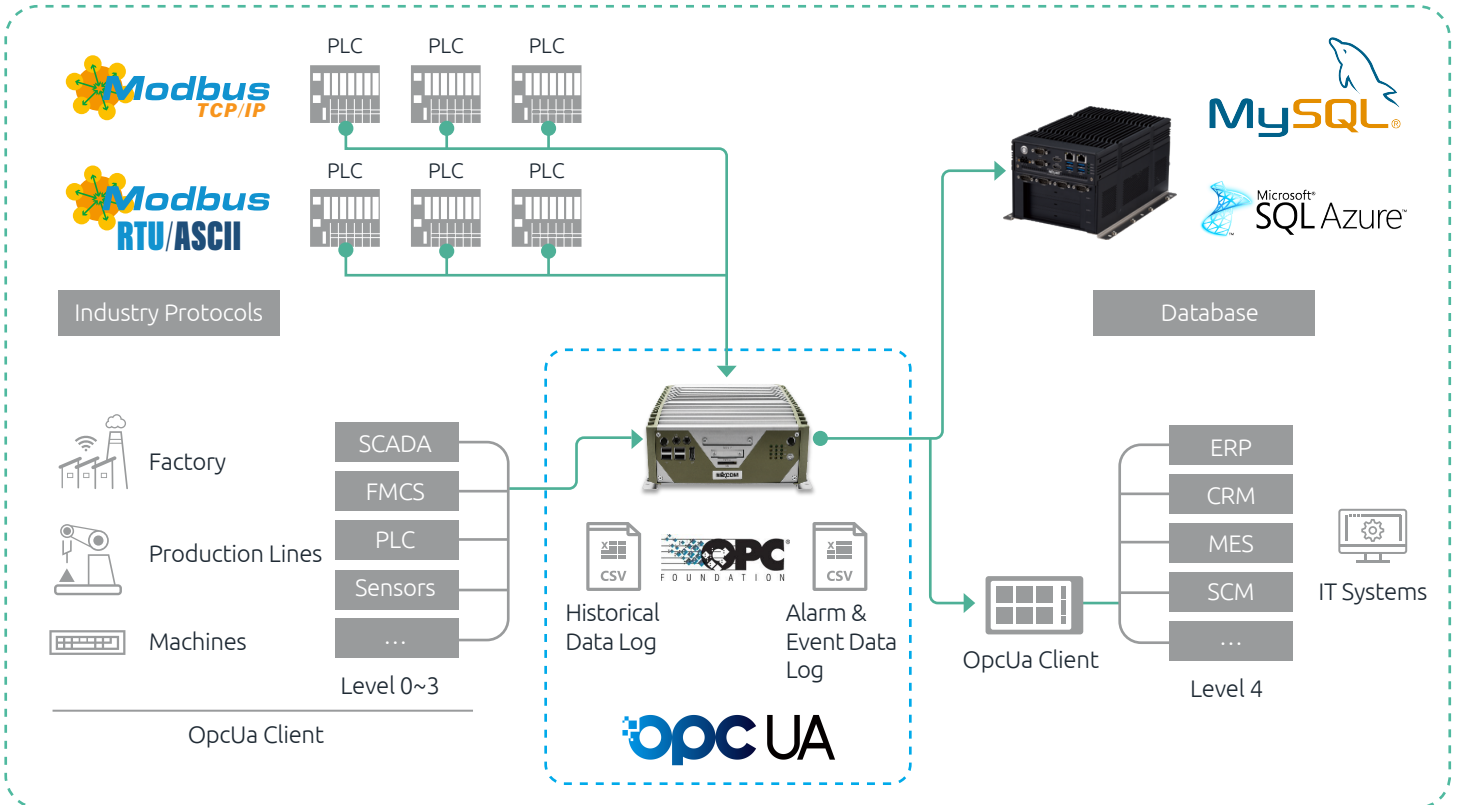


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AIC OpcUa Extender System Architecture



AIC OpcUa Extender Software Building Blocks

Client	OPC UA Client		Subscriber		Modbus		Model Maker	
	Modbus/ASCII	Endpoints	Editor	Editor	My SQL 8	MS SQL 2019	Azure SQL	
OPC UA Service	Modbus/RTU	Users	Log Policy	Limits Setting	My SQL 5	MS SQL 2017		
	Modbus/TCP	Publisher	Queue Size	Configurator		MS SQL 2016		
	Industry Protocols	Server	Historical	Alarm & Events	Database			
Operation System	Windows 10 IoT				Windows Server			
Hardware	NISE3900		TT300					



AIC OpcUa Extender Specifications

Functions/Edition	Community Free permanent	Standard	Professional	Enterprise
Max Connection Sessions	2	20	100	200
Max Browse Nodes	10	128	512	2,000
Max Historical Queue Size	100	1,000	4,000	20,000
Min Historical Sampling Rate	5,000 ms	1,000 ms	500 ms	500 ms
Log size per file (.csv)	1,000	2,000	10,000	60,000
Max Event Node	10	64	200	500
Remote Control by Restful	--	0	0	0
Industry Protocol TAGs	10	100	1000	8000
Database Connection	--	--	0	0
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