AIC Opc Ua

IoT horizontal development
with cloud connection for software development

The AIC OpcUa is a OPC UA server suite that offers mechanism to transmit, store and convert information model of assets, including data access, data logger, historical data access, alarm & event by Server-Client and Pub-Sub modes. The AIC OpcUa can get the data from machines, PLC, SCADA, MES and 3rd Party OPC UA systems then redefine the data to proprietary information model and convert the information to SQL database and even export to .csv format.

The scalable and modular design for developers starts from free then upgrades according to the connections, nodes, storage size, sample interval, event size, and data transferring/protocol options. , it's an elastic OT/IT information integration utility that makes the management of Industry 4.0 applications seamless.
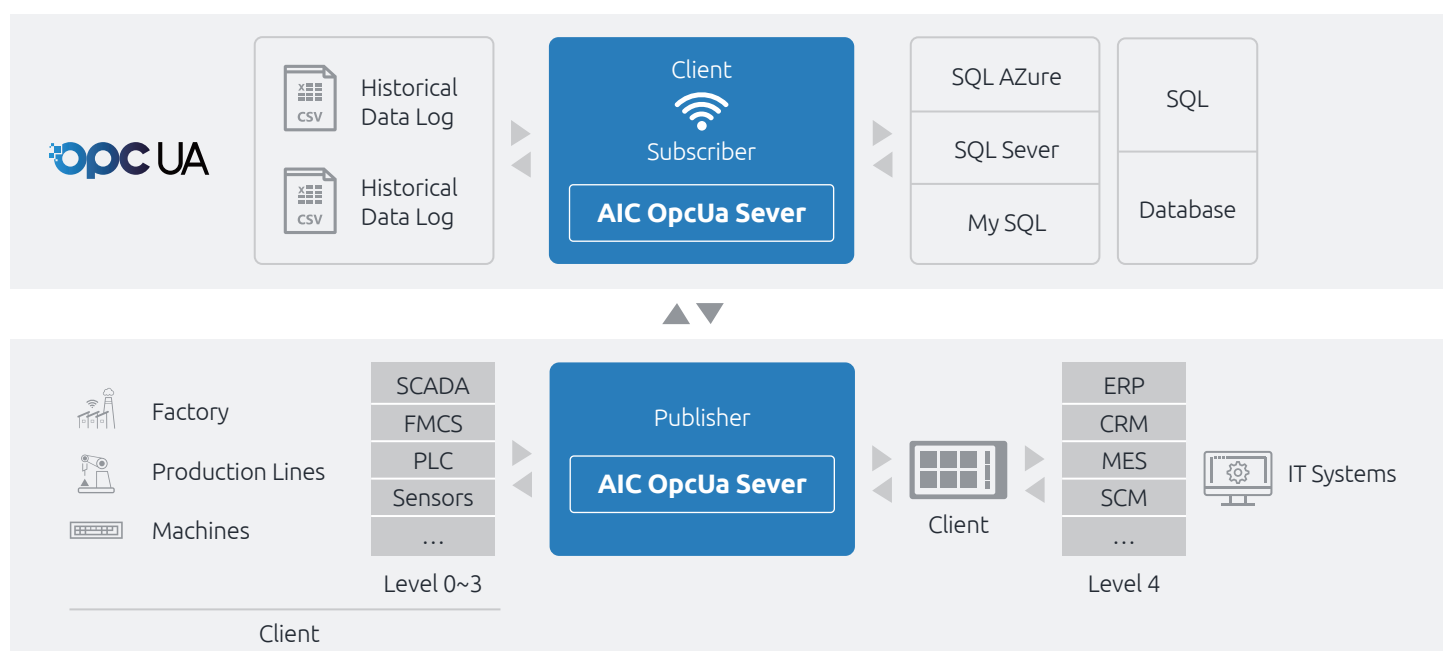
freedownload

purchase

Why use AIoT Opc Ua- Plays the data hub for OT/IT Interaction ?

OPC UA

Historical Data Log (csv)

Historical Data Log (csv)

Client
Subscriber
AIC OpcUa Sever

SQL AZure
SQL Sever
My SQL

SQL
Database

Factory
Production Lines
Machines

SCADA
FMCS
PLC
Sensors
...

Level 0~3

Client

Publisher
AIC OpcUa Sever

Client

ERP
CRM
MES
SCM
...

Level 4

IT Systems

AIC Opc Ua Software Building Blocks

Client						
	OPC UA Client	Subscriber		Modbus		Model Maker

OPC UA Service						
	Endpoints	Editor	Editor	My SQL 8	MS SQL 2019	Azure SQL
	Users	Log Policy	Limits Setting		MS SQL 2017	
	Publisher	Queue Size	Configurator	My SQL 5	MS SQL 2016	
	Server	Historical	Alarm & Events	Database		

Operation System	Windows 10 IoT	Windows Server

Hardware	NISE3900		TT300	

AIC Opc Ua Specifications

Functions/Edition	Community	Standard	Professional	Enterprise
Max Connection Sessions	2	20	100	500
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	--	v	v	v
Pub/Sub Mode	--	--	--	v
Authorization	Permanent License	Permanent License	Permanent License	Permanent License
P/N	--	PAICH10060024	PAICH10060025	PAICH10060026