Main Features

- Full security protection for server authentication
- Multi-user authentication and authorization by Windows logon and certification

- Provide two protocols for OPC UA Server connection: UA TCP/ HTTPS
- Support alarms from the desired node and historical data logging
- Flexible Node Configuration

Product Overview

The OPC Unified Architecture (UA) is a platform independent service-oriented architecture that integrates all the functionality of the individual OPC Classic specifications into one extensible framework. It is a machine to machine communication protocol designed for use in the industrial automation industry. OPC UA features cross-platform interoperability, unified access, standardized communication, and security.

NexUA is NexAIoT OPC UA Standard Server, it consists of two parts, OPC UA Service & Configure Utility, and they are well developed for running on different operation system including Yocto Linux, Yocto, Windows 7, Windows 8.1 and Windows 10.

NexUA plays a key role as a communication gateway allowing OPC UA clients to access HMI or PLC data by subscribing to tags to receive real-time updates.

OPC UA Server is an OPC UA standard server package with the focus on communicating with systems for data collection based on the foundation of the infrastructure necessary for information integration where users can model their complex data into an OPC UA namespace, taking advantage of the rich service-oriented architecture of OPC UA. Configure Utility consists of a configurable GUI for parameters and settings as well as an OPC UA standard server service to act as a hub to collect data and feed its OPC UA client applications to help you with your OPC UA system development.

Specifications

Windows Utility

Category	Description
Server Status	List current server information
	Configurable server operations, there are start/stop and restart the server
Endpoints - UA TCP protocol - HTTPS protocol	Configurable security modes - Supports configurations including Anonymous, username/password, and encrypted username/password - Configurable security policies - Supports Basic128Rsa15/Basic256/Basic256Sha256
Users	Manageable user access control
	Configurable user verification options
	Supports Windows logon users
	Supports authenticate with certification
	Supports anonymous user
Node Config	Supports alarm notification
	Supports historical data logging
	To start or stop historical data logging
	Import/Export server's address space to/from XML file
License	Product key activation
	Login password update

NexUA Server

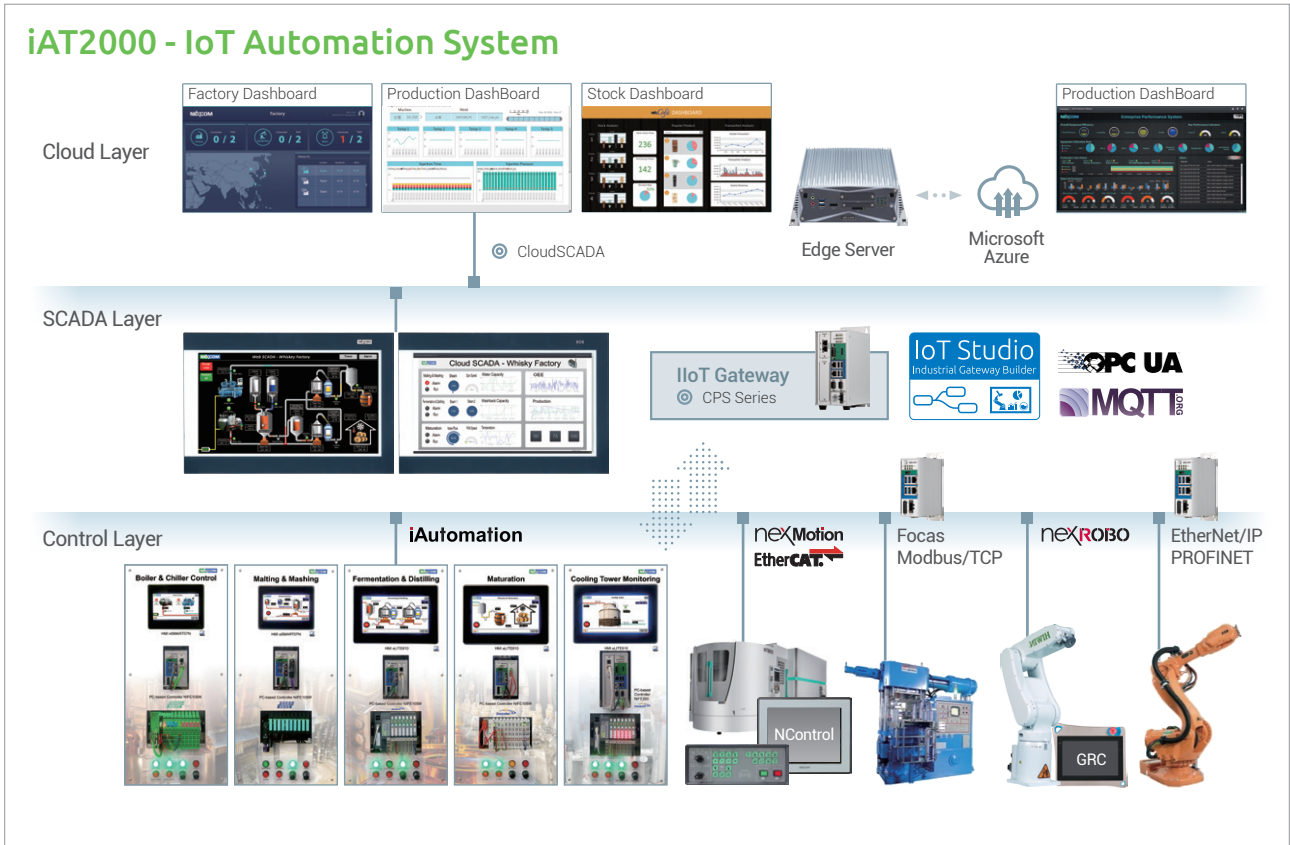| Category	Description
Server Authentication	OPC UA requires a bidirectional authentication of the Client and Server applications with X.509 application instance certificates during the establishment of a secure communication connection
Multi-user Authentication	Windows logon and certification
Server Connection Protocols	UA TCP and HTTPS
Client Connections	Max to 500 connections
Node Configuration	In OPC UA, every entity in the address space is a node, to uniquely identify a Node, each node has a NodeId

Support OS

- Windows 7/8/8.1/10 32-bit/64-bit
- HiveX

Others

- IoT Studio Configuration Utility in Windows version
- InstallShield supported. (English/Tradition Chinese/Simple Chinese)

iAT2000 - IoT Automation System

Cloud Layer

Factory Dashboard | Production DashBoard | Stock Dashboard | Production DashBoard

◎ CloudSCADA

Edge Server

Microsoft Azure

SCADA Layer

IIoT Gateway
◎ CPS Series

IoT Studio
Industrial Gateway Builder

OPC UA

MQTT

Control Layer

iAutomation

Boiler & Chiller Control | Malting & Mashing | Fermentation & Distilling | Maturation | Cooling Tower Monitoring

neXMotion
EtherCAT.

Focas
Modbus/TCP

neXROBO

EtherNet/IP
PROFINET

NControl

GRC

Ordering Information

License Type	Part Number	Max Connections	Max Nodes	Expiration
Trial Ver.	Free Download	10	15	30 days
Education	6014605306X00	10	15	Unlimited
Standard	6014605307X00	100	100	Unlimited
Professional	6014605308X00	500	Unlimited	Unlimited

NEXCOM

iAT2000 Total Solution

We reserve the right to change specifications and product descriptions at any time without prior notice.

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