

Main Features

- ◆ Configure server
 - NexUA OPC UA standard server
 - MQTT server
- ◆ Build up data flow
 - IoT studio
 - Support varies protocols
- ◆ Create dashboard
 - Local dashboard
 - One click to deploy to Azure dashboard
- ◆ Control panel
 - Container management
 - Resource management

Product Overview

HiveX system consists of Control Panel, IoT Studio, Dashboard, Container Management, and NexUA Server. The new IoT Studio provides numerous dashboard nodes from D3/NVD3 for designing interactive dashboards. The One Click to Deploy Azure Cloud node from IoT Studio 2.0 can help users to deploy the local dashboard to the Azure Cloud seamlessly. The NexUA: OPC UA Standard Server provides a secure and reliable service for OPC UA clients to access HMI or PLC data by subscribing to tags to receive real-time updates. With HiveX, customers can use the Web UI of Docker Management to easily perform tasks such as allocating IO resources to containers exclusively for resource management, assigning a specific CPU number for containers and quota configuration for memory.

Specifications

IoT Studio

Category	Description	Node
Modbus TCP/RTU Commander	Get the registers and status with the Modbus protocol	Modbus TCP/RTU commander
OPC UA Client	Interact with an OpcUa server	OpcUa Client
		OpcUa Item
		OpcUa Browser
		OpcUa Event
Nex OCD Azure Config	Deploy dashboard to Azure cloud	Nexazureconfig
Dashboard	Dashboard templates	D3/NVD3...
Dashboard Editor	Dashboard editing tool	Editor
Cloud	Provides Azure service	Azure IoT event hub
		Azure IoT hub
		Azure IoT hub send
Mitsubishi	Read/write memory of Mitsubishi PLC by TCP protocol	Mitsubishi TCP
Siemens S7	Read/write memory of Siemens S7 PLC	Siemens S7 read Siemens S7 write

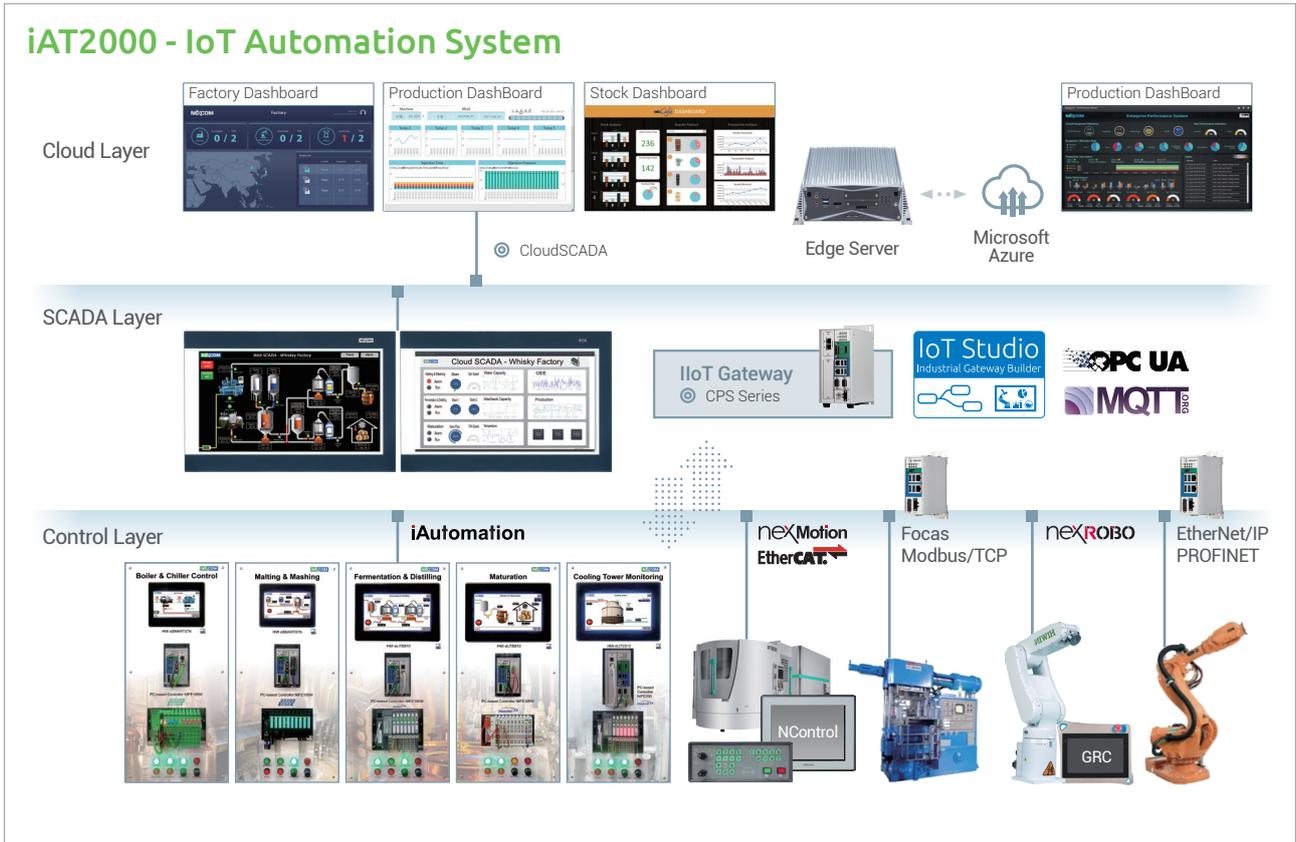
NexUA

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

Support OS & Hardware Matrix

HiveX/Platform	NIFE 103	NIFE 200	NISE 50	NISE 50W	NISE 107	NISE 3800	CPS 100	CPS 200
Gateway	V	V	V	V	V			
Edge Server						V	V	V

iAT2000 - IoT Automation System



HiveX Features

Feature	Description
Web Base Graphical User Interface	System information
	Package manager - install/delete
	Network configuration for LAN/Wi-Fi/WWAN
	Services management – enable/disable
	User management for profiles, roles and accounts
Industrial Service	Mosquito MQTT Broker, SAMBA, Apache, MYSQL...
Docker Management	Docker Engine SDK for Python
	Web UI of Docker management
	IO resource exclusive among containers
	Assign specific CPU number for containers
	Quota configuration for memory
Docker store	
IoT Studio	Industrial flow editor
NexUA	OPC UA Standard Server
Microsoft Azure	IoT Edge ready, IoT Hub, Web service, one click deploy dashboard

Microsoft Azure Cloud Service

Feature	Description
IoT Hub	Connect to IoT Studio per AMQP protocol
	Keeps up to date status of all connected IoT Studio
	Device messages are sent in a durable way that accommodates intermittently connected devices.
App Service & Web Apps	The Cloud dashboard is fully Synchronize with OT layer dashboard, it is running in Azure app service, so it can interact with your local gateway or ERP/MES in ever more sophisticated ways

IoT Hub Edition Type	Message/Day	Message Meter Size	Price Per Unit/M
S1	400,000	4 KB	\$25

App Service & Web Apps INSTANCE	Cores	RAM	Storage	Prices/M
S1	1	1.75 GB	50 GB	\$72

Ordering Information

- ◆ **HiveX (P/N: 6014605309X00)**
HiveX system with docker framework labe ver: 1.0