IoT Studio

Main Features

- Ready-to-use IoT gateway to accelerate IoT project deployment
- Easy connectivity via IoT studio, drag-and-drop managing data flow
- Open architecture support both Windows-based and Yocto-based IoT gateway
- One-click deployment from gateway to cloud

- Cloud SCADA presentation
- Real-time information response
- Support Modbus/RTC and Modbus/TCP master, OPC-UA client for field devices/controller data concentration
- Connect to cloud securely with verified MQTT and AMQP nodes

Product Overview

IoT Studio, powere by Node.js and IBM Node-RED, is a web-based configuration tool to spur developers to swiftly build up IoT applications with simple clicks, drags, and drops of the integral functions or the ideas of innovation can come true sooner and the inventions can spread wider.

Specifications

Category	Description	Node
Modbus TCP/UDP	Get the registers and status with the Modbus protocol	Modbus-tcp read/write Modbus-RTU read/write
OPC UA Client	Interact with an OPC-UA server	OPC UA item OPC UA client OPC UA broswer
Config	Deploy dashboard to cloud	Azure config CDS config
Data Process	Process or encrypt/decrypt data from buffering	Merge, boundary, critical section begin/end, H/W info, cypher
Input	Prompt for user input from network or serial port	Inject, catch, status, link, MQTT, http, websocket, watch, TCP, UDP, e-mail, serial
Output	Expose the data from service or debug message	Debug, link, MQTT, http response, websocket, TCP, UDP, e-mail, serial
Function		Exec, function, template, delay, trigger, comment, http request, TCP request, switch, change, range, split, join, csv, html, json, xml. yaml, aws thing

Category	Description	Node
Storage	Read/write the file or iot datasource	File in, file out, tail in, IoT datasource
Cloud	Provides cloud service	Azure iot event hub, Azure IoT Hub, Azure iot hub send, aws mqtt in/out, Watson IoT in/out, ibmiot in/out

Support OS
- Windows 7/8/8.1/10 32-bit/64-bit
- HyperX

Others
- IoT Studio configuration utility in Windows version
- InstallShield supported. (English/Tradition Chinese/Simple Chinese)

Ordering Information

- **IoT Studio Std (P/N: 6014605304X00)**
  IoT Studio Standard label for IoT gateway ver: 2.0

- **IoT Studio Pro (P/N: 6014605305X00)**
  IoT Studio Professional label for IoT gateway ver: 2.0

Cyber-Physical System