



## Main Features

- Processing data analytically by redefined the categories and offered customized nodes
- Manage cyber physical system efficiently by NEXCOM hardware information nodes
- Connect to cloud securely with verified MQTT and AMQP nodes
- Support SQLite for databased application and https for web service
- Support Fieldbus (PROFINET, PROFIBUS, Ethernet/IP) configuration, Modbus/RTU and Modbus/TCP master, OPC-UA client for field devices/controller data concentration

## Product Overview

IoT is transforming business across industries with innovative applications. To spur more innovations, NEXCOM Industrial IoT Studio, a web-based configuration tool, demonstrated how developers can swiftly implement customized features by taking advantage of pre-integrated functions with simple clicks, drags, and drops. Accelerating the development of IoT applications with reduced efforts enables immediate testing of innovative ideas, turning proof-of-concept inventions into wide-scale deployment. NEXCOM Industrial IoT Studio which is a GUI tool powered by using Node.js and IBM Node-RED (\*1).

## Specifications

Category	Description	Node
Modbus	Get the registers and status with the Modbus protocol	Modbus-TCP read/write
		Modbus-RTU read/write
Fieldbus	Get the registers and status from the controller/devices with Fieldbus interface	PROFIBUS read
		PROFIBUS write
		PROFINET read
		PROFINET write
		EtherNet/IP read
		EtherNet/IP write
Data process	Process or encrypt/decrypt data from buffering	Merge
		Boundary
		Critical section
		H/W Info
		Base64Encode
		Base64Decode
		3DesEncrypt
		3DesDecrypt
OPC UA Client		

Category	Description	Node
Input	Prompt for user input from network or serial port	Inject, catch, status, MQTT, http, websocket, TCP, UDP, serial
Output	Expose the data from service or debug message	Debug, MQTT, http response, web socket, TCP, UDP, serial
Function		Function, template, delay, trigger, comment http request, TCP request, switch, change range, csv, html, json, xml, rbe
Social	Access 'multipart/form-data' content by email	Email in
		Email out
Storage	Read/write the file or database	File in, file out
		SQLite
Cloud	Provides Azure service	eventhub
		IoT hub
		MS SQL

## Support OS & Hardware Matrix

Devices	Windows Embedded 8	Yocto (Linux)
CPS 100-M	X	O
CPS 100-RE/DP	X	O
CPS 200-RE/DP	X	O

Note: Products and models are listed but not limited, please contact your sales representatives for updates.

\*1. Node-RED is a visual wiring tool for the Internet of Things. A creation of IBM emerging technologies.