SMART IOT GATEWAY - ICONNECTOR WITH INTEGRATED IO MODULE

SKU: STHC-IO

daviteq

SMART IOT GATEWAY - iConnector with Integrated I/O
STHC-IO

STHC-IO-H1.PNG

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STHC-IO is same as STHC, is a Smart IoT Gateway, aka iConnector, a main component in any IoT application. However, STHC-IO has integrated IO ports allow it to connect to sensors, meters, equipments...directly and easily. STHC-IO has compact size and light weight with IP67 protection allows installation for both indoor and outdoor. With built-in Data analytic functions, it delivers right away the useful information from the raw data of sensors/meters...This useful information will be sent back to server for data logging, data analytics, monitoring & controls...iConnector STHC-IO also support multiple Industrial Fieldbus like Modbus, EthernetIP, Profinet, CClink, Wireless sensor network...It connects to server system via LAN/WAN as Ethernet, WiFi or Cellular.

✓ 3-IN-1 DEVICE
iConnector is a 3-in1 device, comprises Data logger + Logic Controller + Internet Gateway

✓ INTEGRATED I/O PORTS
Built-in I/O Ports 4AI/DI, 4DI, 4 relay, 1 Pulse PWM output and 1 RS485 Master ModbusRTU allows extending I/O easily

✓ AC POWER SUPPLY
Integrated AC Power supply with very wide input range 85 ~ 305VAC for stable working!

✓ NO NEED PROGRAMMING
Don't need to learn any Programming language, just configure it remotely by Globiots platform

✓ JUST 2-STEP FOR USING
Just install and configure it remotely on Globiots, then you can start use it!

✓ SINCE 2014!
Industrial customers have been using iConnectors since 2014 because of its quality!

SIMPLE REMOTE MONITORING & CONTROLS BY IOT PLATFORM

globiots
by daviteq

Internet connection via Cellular/WiFi/Ethernet

POWER SUPPLY

4 x DI INPUTS

1 X PULSE PWM OUTPUT

4 X RELAYS SPDT

4 x AI/DI INPUTS

STHC-IO-H2.PNG

SPECIFICATION

Host Communication Cellular type	GPRS Quadband/3G-Dual band or Penta Band (refer specification of STHC)
Host Communication Etherner type	01 x RJ45 port, 10Mbps
Host Communication WiFi type	802.11b/g/n, 2.4Ghz,internal antenna
GPS	option, only available on GPRS version or 3G-Penta band version, standard internall antenna or optional external antenna
Host communication supports	TCP/IP, UDP/IP, FTP, HTTPS, SNMP...
Fieldbus communcation	ModbusRTU x 01 port, 31 slaves, max 19.2 kpbs
Integrated I/O Module	4AI/DI, 4DI, 4 Relay, 1 Pulse PWM output (refer specification of STHM-MBIO)
Digital Inputs	Opto-coupler, 4.7 kohms input resisrtance, 5000V rms isolation, Logic 0 (0-1VDC), Logic 1 (5-24VDC), Functions: logic status 0/1 or Pulse counting (32 bit counter with max 4khz pulse)
Analog Inputs	Select between 0-10VDC input or 0-20mA input, 12 bit Resolution, can be configured as Digital input (max 10VDC input)
Relay Output	Electro-mechanical Relays, SPDT, contact rating 250VAC/5A, LED indicators, Latch control enable
Pulse Output	Open-collector, opto-isolation, max 10mA and 80VDC, On/off control, Pulser (max 2.5Khz, max 65535 Pulses) or PWM (max 2.5Khz)
Vietnam Type Approval Cerification	QCVN 54:2011/BTTTT, QCVN 15:2015/BTTTT (DAVITEQ B00122019)
Power supply	85 ~ 305VAC, 47 ~ 440Hz
Back-up battery	Lithium Super Capacitor (to alert shortage of power supply)
On-board logging	2MB Flash
SIM slot	01 x micro-SIM (cellular versions only)
Operating Temperature	-20 .. + 70 degC
Dimension & weight	H230xW130xD77, < 1.5 kgs
Housing/Protection	Aluminum+Polycarbonate, IP67, wall mount pads

MANUFACTURING MONITORING

STHC-IO-H3.PNG

MACHINES / EQUIPMENTS CONDITION MONITORING
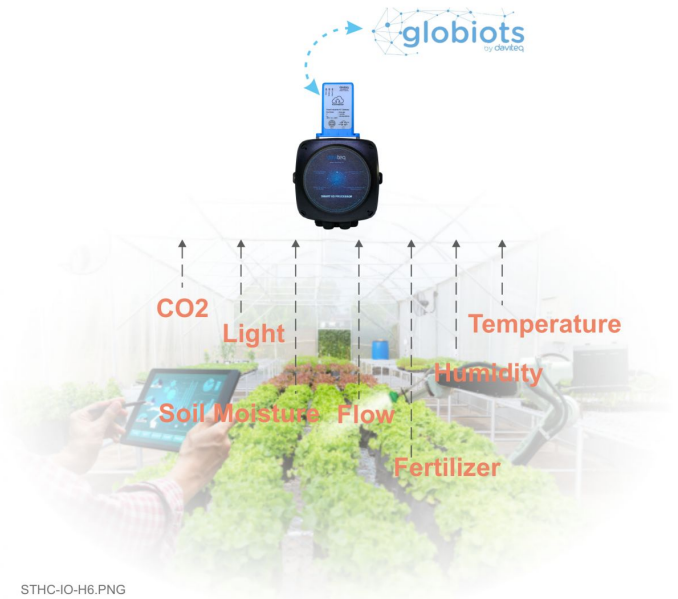

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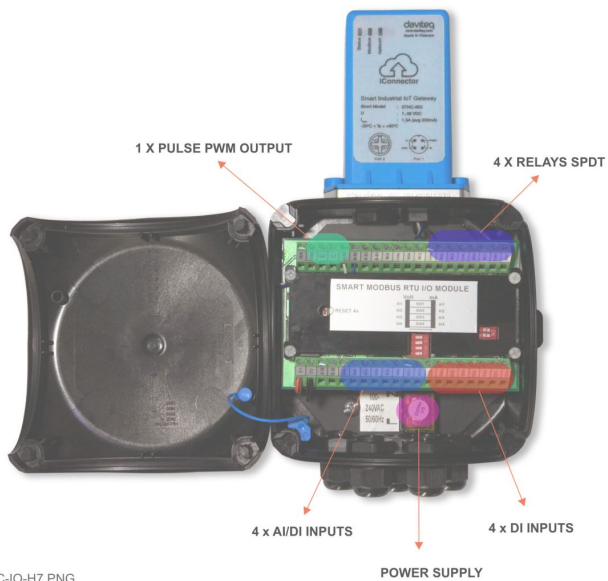
ENVINRONMENT MONITORING

STHC-IO-H5.PNG

SMART AGRICULTURE / SMART FARM

STHC-IO-H6.PNG

INTERNAL WIRING

STHC-IO-H7.PNG

USB-RS485 CONFIGURATION CABLE

STHC-IO-H8.PNG

ORDERING INFORMATION

ITEM CODES	DESCRIPTIONS
STHC-IO-ISG02DB-01-AC	iConnector 3G Dual Band, internal antenna, integrated I/O with 04 relays, 4DI, 4AI/DI, 1 Pulse PWM output, RS485, power supply 85-305VAC, IP67
STHC-IO-ISG02GPS-01-AC	iConnector 3G Penta Band with GPS, internal antenna, integrated I/O with 04 relays, 4DI, 4AI/DI, 1 Pulse PWM output, RS485, power supply 85-305VAC, IP67
STHC-IO-ISG02DB-01-DC	iConnector 3G Dual Band, internal antenna, integrated I/O with 04 relays, 4DI, 4AI/DI, 1 Pulse PWM output, RS485, power supply 9..36VDC, IP67
STHC-IO-ISG02GPS-01-DC	iConnector 3G Penta Band with GPS, internal antenna, integrated I/O with 04 relays, 4DI, 4AI/DI, 1 Pulse PWM output, RS485, power supply 9..36VDC, IP67
SIMMOBI-3G	Mobifone Data SIM CARD, only SMS receiving mode (Vietnam only)
SIMMOBI-10K-01Y	12-month data plan for SIM CARD, unlimited data, GPRS/EDGE/UMTS/HSPA (Vietnam only)
ACCESSORIES	
RS485-FM12-USB-1	RS485/USB multi-purpose Configuration cable with connector m12 male, female and flying leads, with Power adapter 12VDC/2.0A
Notes	* Purchase configuration cable RS485-FM12-USB-1 for off-line configuration of iConnector