SMART IOT GATEWAY - ICONNECTOR

daviteq

SKU: STHC

iConnector - SMART IOT GATEWAY

CELLULAR VERSION

ETHERNET VERSION

WIFI VERSION

STHC-H1.PNG

STHC is a Smart IoT Gateway, aka iConnector, a main component in any IoT application. iConnector has a role to connect the real World's things like sensors, meters, ,machines...to server system for data logging, data analytics, monitoring & controls...iConnector 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

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!

MULTIPLE FIELDBUS PROTOCOLS
Support multiple Fieldbus protocols like Modbus, EthernetIP, Profinet, Ccink...

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

PIN ASSIGNMENT & WIRING

⇦ M12 Plug Female Connection (left side)
1-2: Relay 1 - Normal open contact
3-4: Relay 2 - Normal open contact

⇦ M12 Plug Male Connection (right side)
1 - PWR (Brown)
2 - A (White)
3 - GND (Blue)
4 - B (Black)

N.O. - Relay 1
N.O. - Relay 2
120Ω
Slave 1 Slave 2 Slave 31
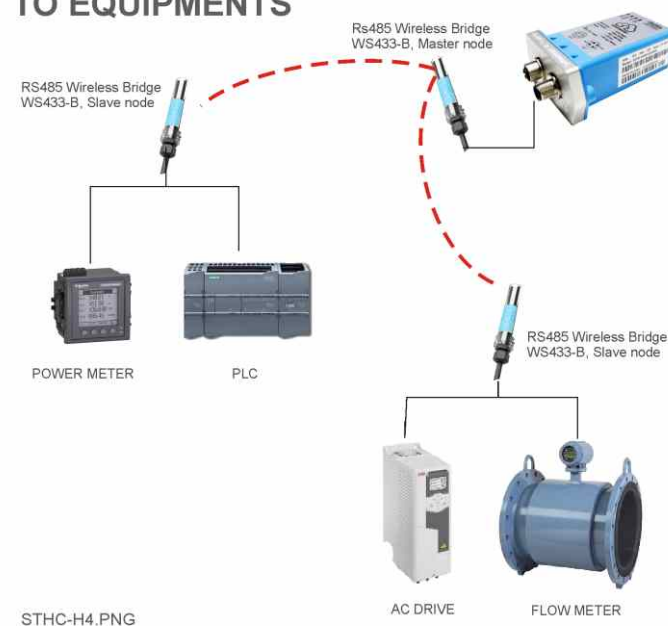Power Supply

STHC-H2.PNG
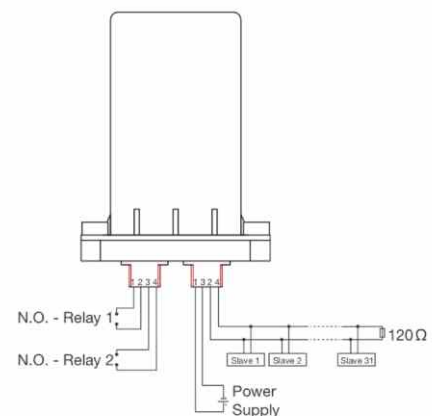
SPECIFICATION

Host Communication Cellular type	GPRS Quadband (850/900/1800/1900)/3G-Dual band (2100/900)/3G- Penta Band (2100/1900/850/850Japan/900/800Japan),standard internal antenna, optional external antenna
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
Vietnam Type Approval Cerification	QCVN 54:2011/BTTTT, QCVN 15:2015/BTTTT (DAVITEQ B00122019)
Power supply	7..48VDC, avg 200mA, peak 1.5A
Back-up battery	Lithium Super Capacitor
On-board logging	2MB Flash
Built-in sensors	PCB temperature sensor
Electrical connectors	M12, 4-pin, coding A
SIM slot	01 x micro-SIM (cellular versions only)
Included accessories	Mounting bracket for wall mount (cellular version only)
Operating Temperature/Humidity	-20 .. + 60 degC / 95%RH, non-condensing
Housing/Protection	Aluminum+Polycarbonate for Cellular version, anti-UV plastic for Ethernet/WiFi version. All version is IP67 protection
Dimension	H106xW73xD42 for Cellular version, H130xW90xD40 for Ethernet/WiFi versions
Net weight	190 grams for Cellular version, 350 grams Ethernet/WiFi versions
Relay outputs	02 x relay SPST NO contact, 125VAC@0.3A or 24VDC@1A
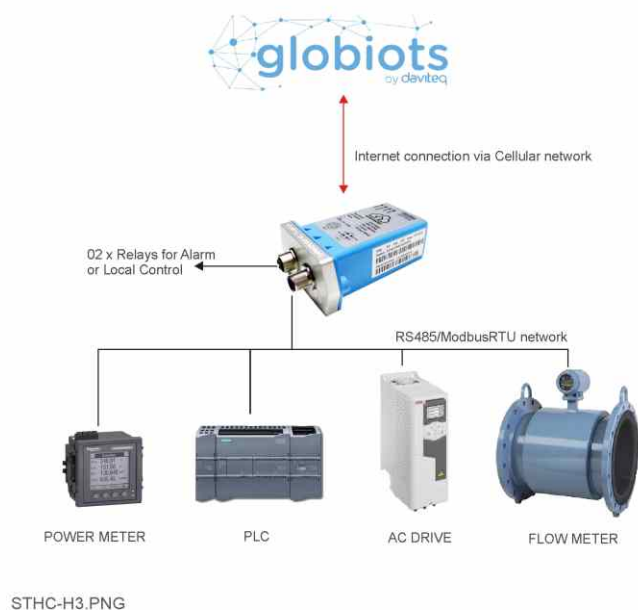
STHC-H3.PNG

STHC-H4.PNG

EXTERNAL ANTENNAS FOR CELLULAR VERSION
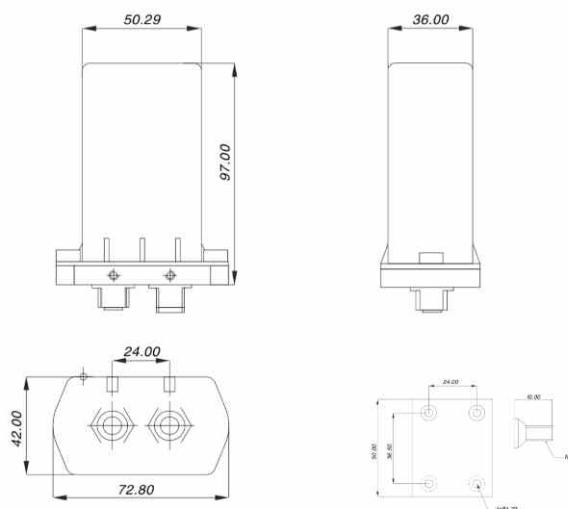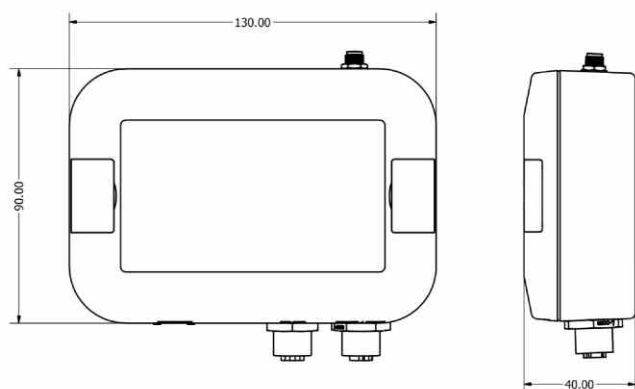

GSM   GSM + GPS

STHC-H5.PNG

DIMENSION DRAWINGS OF CELLULAR VERSION
(UNIT: MM)

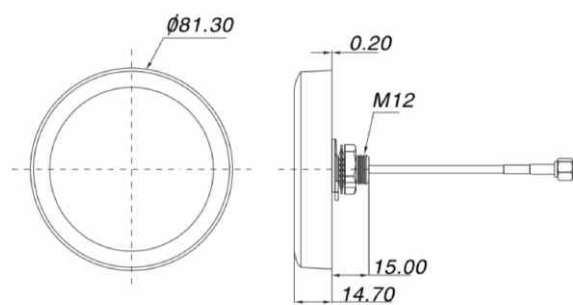
STHC-H6.PNG

DIMENSION DRAWINGS OF WIFI/ETHERNET VERSIONS
(UNIT: MM)

STHC-H7.PNG

DIMENSION DRAWINGS OF EXTERNAL ANTENNAS
(UNIT: MM)

STHC-H8.PNG

ORDERING INFORMATION

STHC-ISG02DB-NC	iConnector 3G Dual Band, internal antenna, with 02 relays, no M12 cables
STHC-ISG02-NC/GPS	iConnector 3G Penta Band with GPS, internal antennas, with 02 relays, no M12 cables
STHC-ISG02DB-NC/EXANT	iConnector 3G Dual Band, SMA connector for external GSM antenna (order external antenna separately), no relay, no M12 cables
STHC-ISG02-NC/GPS/EXANT	iConnector 3G Penta Band with GPS, SMA connectors for external GSM/GPS antennas (order external antennas separately), no relay, no M12 cables
SIMMOBI-3G	Mobifone Data SIM CARD, only SMS receiving mode
SIMMOBI-10K-01Y	12-month data plan for SIM CARD, unlimited data, GPRS/EDGE/UMTS/HSPA
STHC-ISGWF	iConnector WiFi, internal antenna, additional M12-Male RS485 Port, with 02 relays, no M12 cables
STHC-ISGETH	iConnector Ethernet, additional M12-Male RS485 Port, with 02 relays, no M12 cables
STHC-ISGWF/WR433-01	iConnector WiFi with built-in Wireless Co-ordinator, internal WiFi antenna, DC jack for Power

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
EXANT-JCG008	IP67 GSM Antenna for Cellular iConnector with SMA connector, without GPS
EXANT-JCB008L	IP67 Combination GSM+GPS Antenna for Cellular iConnector with SMA connectors, with GPS
2M-MM12CAB4x0.25	M12 4pin Male assembly connector with Soldering terminals and coding A and Control Cable Cu/PVC/OS/PVC 4x0.25mm2, L=2m, Rohs, Shield 80%
2M-FM12CAB4x0.25	M12 4pin Female assembly connector with Soldering terminals and coding A and Control Cable Cu/PVC/OS/PVC 4x0.25mm2, L=2m, Rohs, Shield 80%
5M-MM12CAB4x0.25	M12 4pin Male assembly connector with Soldering terminals and coding A and Control Cable Cu/PVC/OS/PVC 4x0.25mm2, L=5m, Rohs, Shield 80%
5M-FM12CAB4x0.25	M12 4pin Female assembly connector with Soldering terminals and coding A and Control Cable Cu/PVC/OS/PVC 4x0.25mm2, L=5m, Rohs, Shield 80%
10M-MM12CAB4x0.25	M12 4pin Male assembly connector with Soldering terminals and coding A and Control Cable Cu/PVC/OS/PVC 4x0.25mm2, L=10m, Rohs, Shield 80%
10M-FM12CAB4x0.25	M12 4pin Female assembly connector with Soldering terminals and coding A and Control Cable Cu/PVC/OS/PVC 4x0.25mm2, L=10m, Rohs, Shield 80%

NOTES

* Purchase M12-female cable to power and RS485 connecting for iConnector
** Purchase M12-male cable for using Relays port
*** Purchase configuration cable RS485-FM12-USB-1 for off-line configuration of iConnector