



## deviteq STHC iConnector Smart IoT Gateway Owner's Manual

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**SMART IOT GATEWAY I CONNECTOR**  
**SKU: STHC**  
**Owner's Manual**

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### STHC i Connector Smart IoT Gateway

**i Connector – SMART IOTA GATEWAY THC**



THC is a Smart IoT Gateway, aka i Connector, a main component in any IoT application. i Connector has a role to connect the real World's things like sensors, meters, ,machines...to server system for data logging, data analytics, monitoring & controls...i Connector support multiple Industrial Field bus like Modbus, Ethernet IP, Proficient, C Clink, Wireless sensor network...It connects to server system via LAN/WAN as Ethernet, WiFi or Cellular.



### **3-IN-1 DEVICE**

i Connector is a 3-in 1 device, comprises Data logger + Logic Controller + Internet Gateway



### **NO NEED PROGRAMMING**

Don't need to learn any Programming language, just configure it remotely by Globalists platform



### **JUST 2-STEP FOR USING**

Just install and configure it remotely on Globalists, then you can start use it!



### **MULTIPLE FIELD BUS PROTOCOLS**

Support multiple Field bus protocols like Modbus, Ethernet IP, Proficient, Clink...



### **SINCE 2014!**

Industrial customers have been using i Connectors since 2014 because of its quality!

i Connector – SMART IOTA GATEWAY



## SPECIFICATION

Host Communication Cellular type	LTE Cat 4, 3G-Dual band (2100/900) or LTE Cat M1/NB1 with Global band (B 1, B2, B3, B4, B5, B8, B9, B10, B12, B13, B17, B18, B19, B20, B25, B26, B27, B28, B66 ) and 2G-Quad band fall back, standard internal antenna, optional external antenna
Host Communication Ethernet type	01 x RJ45 port, Mbps
Host Communication WiFi type	802.11b/g/n, 2.4Ghz, internal antenna
GPS	option, only available on GARS version or 3G-Pena band version
Host communication supports	TCP/IP, UDP/IP, FTP, HTTPD, SNIP...
Field bus communication	Modulus x 01 port, 31 slaves, max 19.2 kbps
Vietnam Type Approval Verification	QC 54:2011/BUTT, QC 15:2015/BUTT (DAVIT B00122019)
Optional	Integrated wireless co-coordinator with external antenna or internal antenna
Optional	Internal buzzer (to replace Relay 1)
Power supply	7..48VDC, avg 200mA, peak 1.5A
Back-up battery	Lithium-ion for cellular versions
On-board memory & sensors	MB Flash, PCB temperature sensor
Electrical connectors	M12, 4-pin, coding A or 9mm Power Plug and USB port
SIM slot	01 x micro-SIM (cellular versions only)
Included accessories	mounting bracket for wall mount
Operating Temperature/Humidity	-20 .. + 60 deg C / 95%RH, non-condensing
Housing/Protection	Aluminum+Poly carbonate. IP67 protection.
Dimension	H106xW73xD42
Net weight	190 grams
Relay outputs	02 x relay SPST NO contact, 125VAC@0.3A or 24VDC@1A (depends on item code)



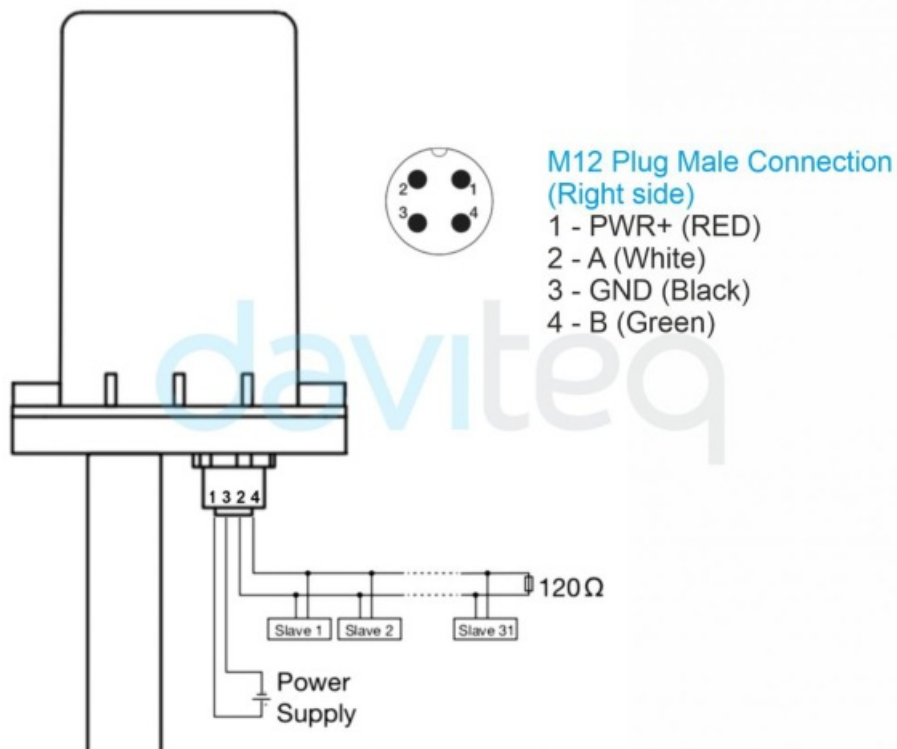
TYPICAL APPLICATION



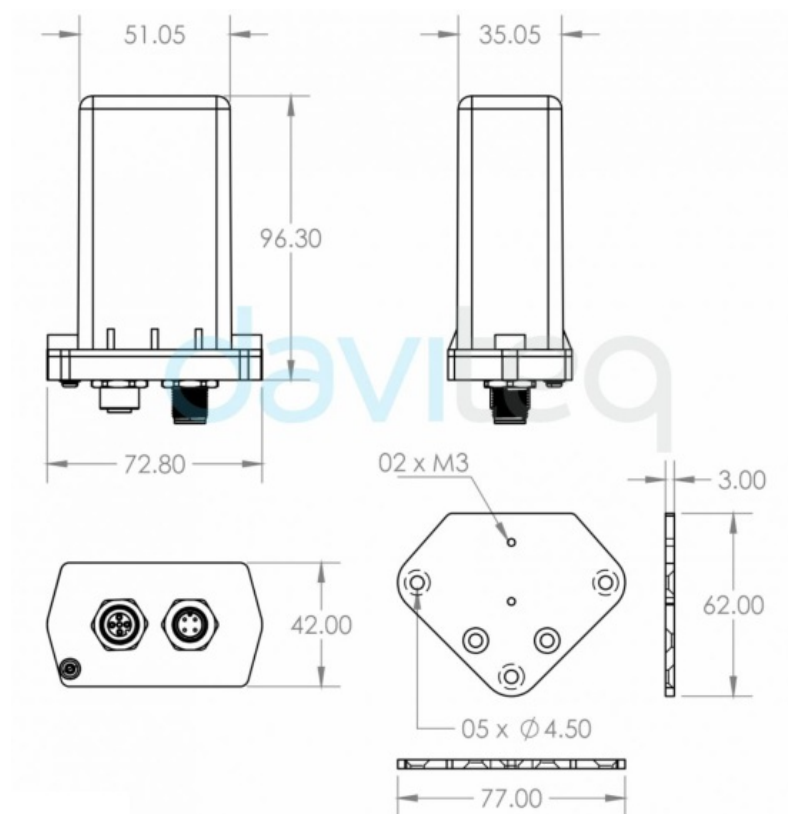
CONNECT WIRELESS SENSORS TO GLOBIOTS Platform



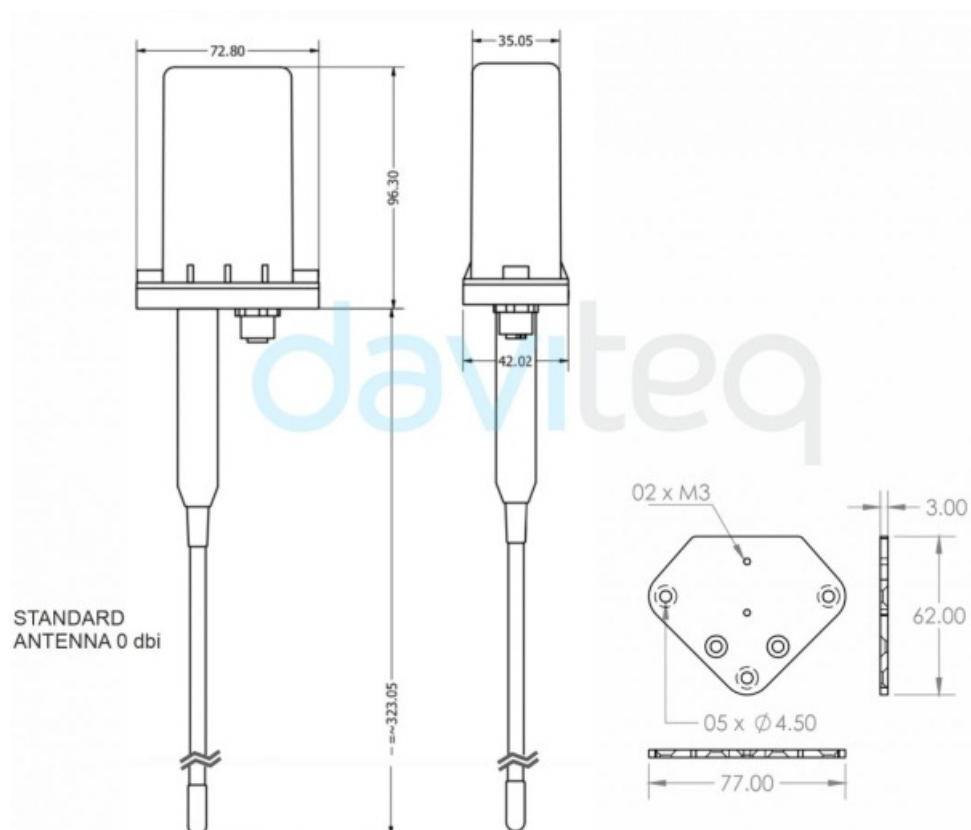
## PIN ASSIGNMENT & WIRING BUILT-IN WIRELESS CO-COORDINATOR



## DIMENSION DRAWINGS OF STANDARD VERSION (Unit: mm)



DIMENSION DRAWINGS BUILT-IN WIRELESS CO-COORDINATOR VERSION  
(Unit: mm)



## ORDERING INFORMATION

ITEM CODE	DESCRIPTIONS
STHC-ISG02DB-NC	i Connector 3g Dual-Band, internal antenna, with 02 relays, no M12 cables

STHC-ISG02DB-WS433-CL-04	i Connector 3g Dual-Band, internal GSM antenna, RS485/MODULUS with built-in wireless co-coordinator, external antenna 0 dbi with M12-Male connector
STHC-ISGWF-WS433-CL-04	i Connector WIFI, internal WIFI antenna, RS485/MODULUS with built-in wireless co-coordinator, external antenna 0 dbi with M12-Male connector
STHC-SWEETISH-WS433-CL-04	Smart Out-of-Box IoT Gateway, i Connector, Data logger + Controller + Gateway, WIFI 2.4ghz and Ethernet 10mbps, with Wireless Sub-GHz RF receiver
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
**SPECIAL ORDER**	
STHC-ISG04A-WS433-CL-04	i Connector 4G Cat 4, Asia bands, internal GSM antenna, RS485/MODULUS with built-in wireless coordinator, external antenna 0 dbi with M12-Male connector
STHC-ISGM1-NB1-2G-NC	i Connector CAT M1, NB1, 2G, Global bands, internal antenna, with 02 relays, no M12 cables
STHC-ISGM1-NB1-WS433-CL-04	i Connector CAT M1, NB1, 2G, Global bands, internal antenna, with built-in wireless co-coordinator, external antenna 0 dbi with M12-Male connector and with M12-F to DC jack power cable
STHC-ISG02DB-WS433-CL-05	i Connector 3G Dual Band*, internal GSM antenna, integrated wireless co-coordinator with Glasnost external antenna 0 dbi, 9mm DC Power Jack and USB port for configuration
STHC-ISG02DB-WS433-CL-06	i Connector 3G Dual Band*, internal GSM antenna, integrated wireless co-coordinator with internal antenna, 9mm DC Power Plug and USB port for configuration, internal buzzer
STHC-ISG02-NC/GPS	i Connector 3G Penta Band with GPS, internal antennas, with 02 relays, no M12 cables
STHC-ISG02DB-NC/EXTANT	i Connector 3G Dual Band, SMA connector for external GSM antenna (order external antenna separately), no relay, no M12 cables
STHC-ISG02-NC/GPS/EXTANT	i Connector 3G Penta Band with GPS, SMA connectors for external GSM/GPS antennas (order external antennas separately), no relay, no M12 cables
STHC-ISG02-WS433-CL-04	i Connector 3G Penta Band*, internal GSM antenna, RS485/Modulus with built-in wireless co-coordinator, external antenna 0 dbi with M12-Male connector
**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 i Connector with SMA connector, without GPS
EXANT-JCB008L	IP67 Combination GSM+GPS Antenna for Cellular i Connector 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 4x0.25mm <sup>2</sup> , 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 4x0.25mm <sup>2</sup> , 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 4x0.25mm <sup>2</sup> , 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 4x0.25mm <sup>2</sup> , 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 4x0.25mm <sup>2</sup> , 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 4x0.25mm <sup>2</sup> , L=10m, Rohs, Shield 80%
Notes	<p>* Purchase M12-female cable to power and RS485 connecting for i Connector</p> <p>** Purchase M12-male cable for using Relays port</p> <p>*** Purchase configuration cable RS485-FM12-USB-1 for off-line configuration of i Connector</p>



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## Documents / Resources

	<p><a href="#">daviteq STHC iConnector Smart IoT Gateway</a> [pdf] Owner's Manual</p> <p>STHC, iConnector Smart IoT Gateway, STHC iConnector Smart IoT Gateway, Smart IoT Gateway, IoT Gateway, Gateway</p>
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