

SMART IOT GATEWAY - ICONNECTOR BATTERY OPERATED

daviteq

SKU: STHC-B

SMART IOT GATEWAY - iConnector BATTERY OPERATED STHC-B



PRESSURE SENSOR
PLUGGED IN

STHC-B-H1.PNG



STHC-B is same as STHC, is a Smart IoT Gateway, aka iConnector, a main component in any IoT application. However, STHC-B is operated by a Primary battery 3.6V, suitable for applications where no grid power like Water pipeline, water network...In addition, STHC-B is also powered by external power supply 7..48VDC or Solar panel system. STHC-B has built-in 1 Pulse input to read the Pulse from flow meter...and 01 Digital input can connect to Pressure sensor, Level, Temperature, Humidity... Data will be sent back to server for data logging, data analytics, monitoring & controls...With Ultra low power design, it can uses 01 battery size D for up to 05 years (depend on configuration of data logging and sending).

✓ 3-IN-1 DEVICE

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

✓ 5-YEAR BATTERY OPERATED

Easy to configure the time intervals of Data logging, Data sending and with Event processor allows the battery life up to 5 years!

✓ BUILT-IN SENSORS

1 x Pulse input as standard and 1 x Digital input to connect Pressure sensor, Differential sensor, Level Sensor, Temperature, Humidity...

✓ 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!

DATA LOGGER FOR WATER METER



STHC-B-H2.PNG

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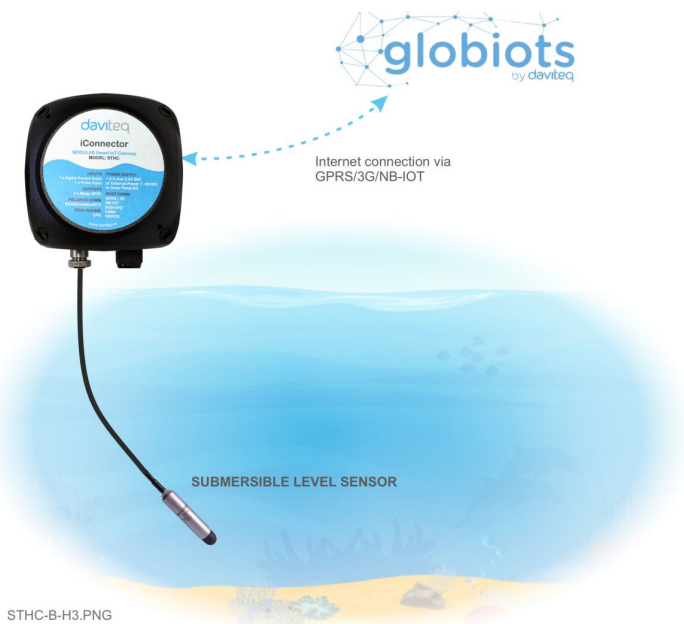
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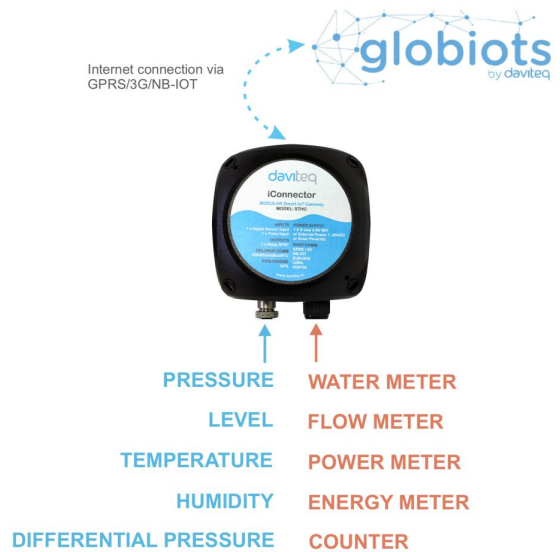
SPECIFICATION

Host Communication	3G-Dual band (2100/900) 3G- Penta Band (2100/1900/850/850 Japan/900/800 Japan) Cat-M1/NB1 (B1, B2, B3, B4, B5, B8, B9, B10, B12, B13, B17, B18, B19, B20, B25, B26, B27, B28, B66) GPRS Quadband (850/900/1800/1900),internal antenna
Host communication supports	TCP/IP, UDP/IP, FTP, HTTPS, SNMP...
Vietnam Type Approval Cerification	QCVN 54:2011/BTTTT, QCVN 15:2015/BTTTT (DAVITEQ B00122019)
Pulse Input	1 x Pulse input with counting function, dry-contact, max 1Hz, auto-reset counter when reaching 9 digits
Digital Sensor Input	1 x Digital sensor input for DULP sensor type (Digital Ultra Low Power), M12 connector, IP67
Battery Supply	1 x D size battery holder, 3.6VDC
External Power Supply	7..48VDC, avg 200mA, peak 1.5A
Back-up battery	Lithium Super Capacitor (to alert shortage of power supply)
On-board logging	2MB Flash
SIM slot	01 x micro-SIM
Operating Temperature	-20 .. + 85 degC (refer temperature working range of Battery being used)
Dimension	H110xW110xD70
Housing	Poly-carbonate housing, IP67, wall mount pads
Net weight	< 250 g (excluded Battery and Sensor)

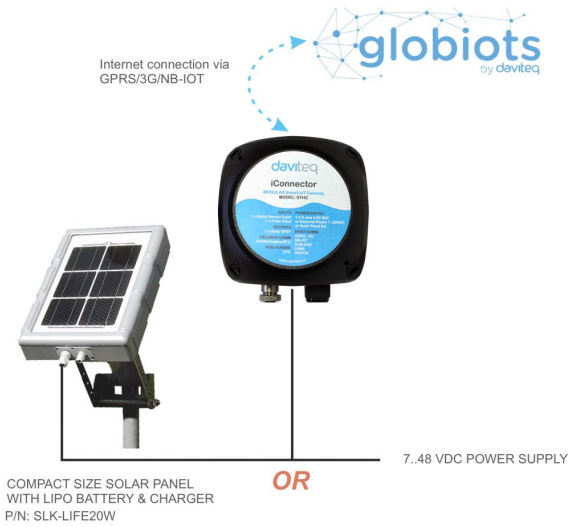
WATER LEVEL MONITORING



MONITOR ANYTHING!



USE WITH EXTERNAL POWER SUPPLY



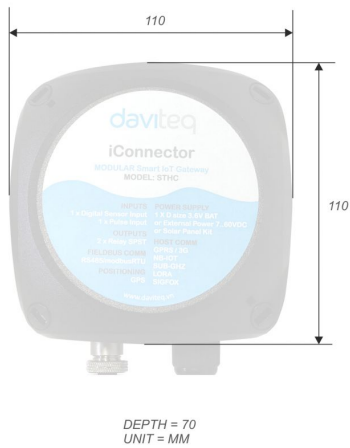
STHC-B-H5.PNG

USE WITH PRIMARY BATTERY



STHC-B-H6.PNG

DIMENSION DRAWINGS



STHC-B-H7.PNG

USB-RS485 CONFIGURATION CABLE



STHC-B-H8.PNG

ORDERING INFORMATION

ITEM CODES	DESCRIPTIONS
STHC-B-ISG01-01	iConnector GPRS Quadband, internal antenna, 1 x battery size D 3.6V, 1 x pulse input, 1 x digital sensor input DULP type, IP67
STHC-B-ISG02DB-01	iConnector 3G Dualband, internal antenna, 1 x battery size D 3.6V, 1 x pulse input, 1 x digital sensor input DULP type, IP67
STHC-B-ISGNB1-01	iConnector LTE Cat-NB1/Cat-M1/GPRS fallback, internal antenna, 1 x battery size D 3.6V, 1 x pulse input, 1 x digital sensor input DULP type, IP67
STHC-B-ISGNB1-02	iConnector LTE Cat-NB1/Cat-M1/GPRS fallback, internal antenna, 1 x battery size D 3.6V, 1 x pulse input, 1 x RS485 sensor input, 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	
LEET-R26-01	Radar level sensor with RS485 output, 55m range, IP67
PPS-G-10	Gage Pressure Sensor DULP Module, range 0-10 barg, accuracy 0.5%, process connection G1/4-male, 304SS, electrical connector M12-male
ATE-11	Compact ambient Temperature Sensor DULP module, M12-male connector
ATE-12-300	300mm Cable type ambient Temperature Sensor DULP module, M12-male connector
ATH-11	Compact ambient Humidity & Temperature Sensor DULP module, M12-male connector
ATH-12-300	300mm Cable type ambient Humidity & Temperature Sensor DULP module, M12-male connector
RS485-FM12-USB-1	RS485/USB multi-purpose Configuration cable with connector m12 male, female and flying leads, with Power adapter 12VDC/2.0A
SLK-LIFE20W	Solar panel kit, included high quality Lithium battery and charger, IP65, mounting bracket for 2-inch pipe
Notes	* Select above DULP sensor modules to suit your application
	**Purchase configuration cable RS485-FM12-USB-1 for off-line configuration of iConnector