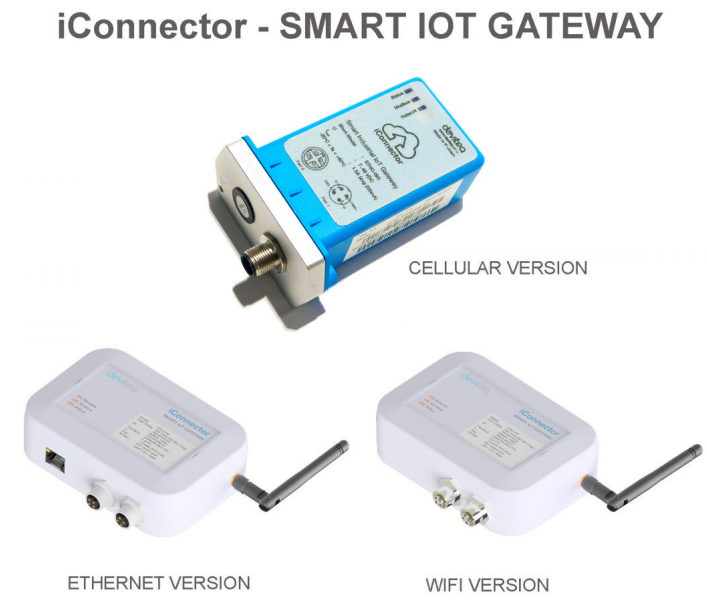
I. Specification of iConnector STHC

1.1 Introduction

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.



STHC-H1.PNG

1.2 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
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)
Optional	Integrated wireless co-ordinator 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 Super Capacitor
On-board memory & sensors	2MB 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 (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

Revision #6
Created Mon, Jul 5, 2021 1:48 AM by Lộc Vĩnh Nguyễn
Updated Mon, Jul 5, 2021 2:09 AM by Lộc Vĩnh Nguyễn