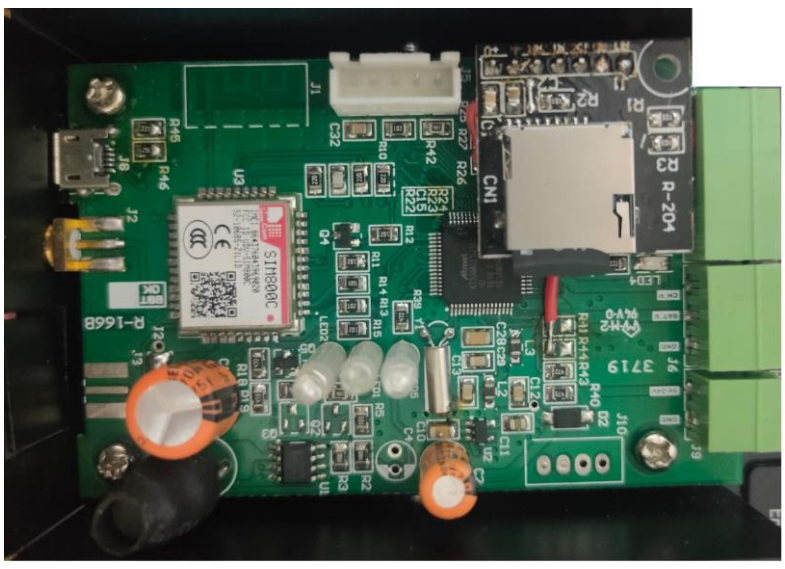
Datasheet- Data Logger HTS-300C

Specifications:

Parameters	**Specifications**
Model No.	HTS-300C
Supply Voltage	7V-24V DC/2A (Reverse Polarity Protection: Yes)
MCU	Atmel ARM Cortex M0+ 32 bit
GSM /GPRS	Quad Band 850/900/1800/1900 MHz GPRS Mobile Station Class B
Storage	Micro SD card (SDHC)(Optional) Support up to 4 GB Card
USB Interface	Inbuilt Micro USB 2.0 (Used for Device Configuration)
RS-485 Interface	Support Standard Modbus protocol to read parameters of Inverter
LED indication	Data transmission status Connectivity
Ambient Temperature	0°C to 60°C
Data Protocol	Support HTTP/HTTPS
Basic SMS Configuration	Yes Supported



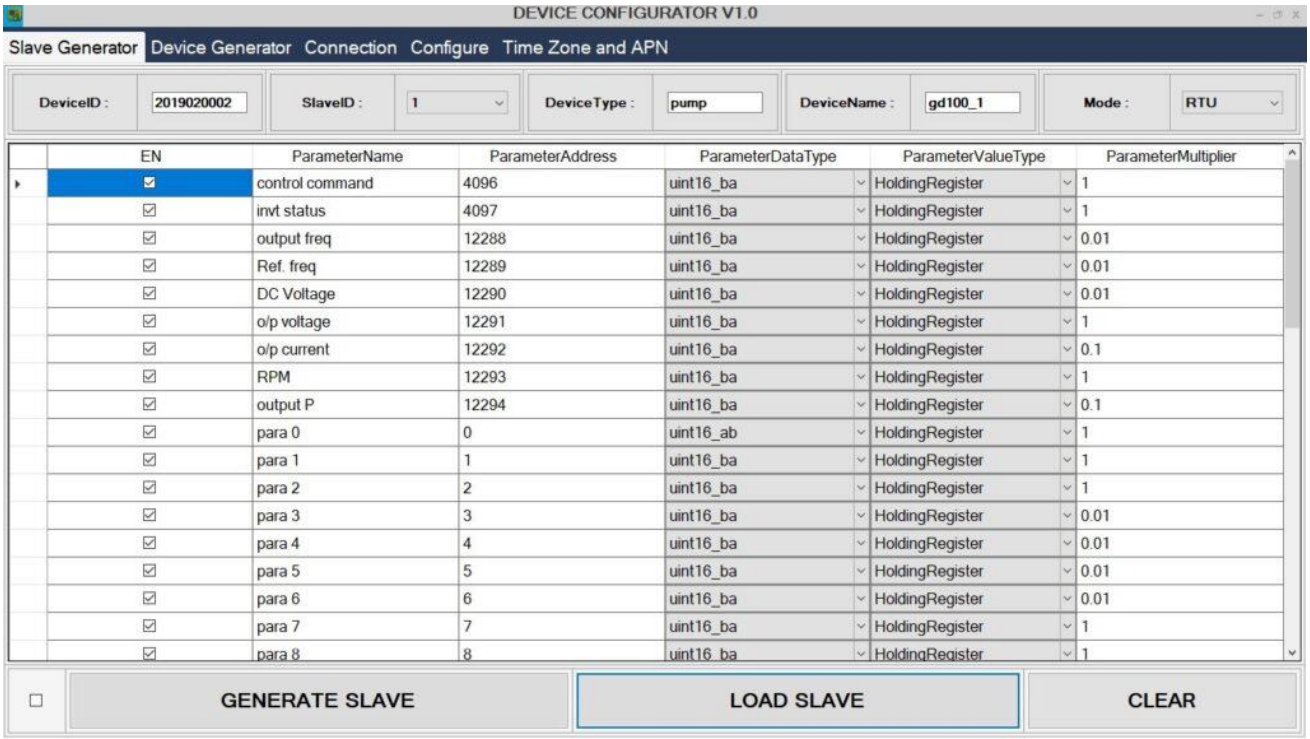
Data Format: Json


```
{
  "device_type": "3acf237d",
  "device_name": "3acf237d1",
  "device_id": "66b34859a1",
  "date": "22/02/2022",
  "time": "22:39:39",
  "time_zone": "Europe/London",
  "latitude": "0",
  "longitude": "0",
  "software_ver": "B6.60",
  "signal_strength": "2",
  "valid": true,
  "data": {
    "1": 512,
    "2": 0,
    "3": 0,
    "4": 0,
    "5": 512,
    "6": 0,
    "slave_id": "1"
  }
}
```


Device Configuration

RMU required configuration while using for the first time. It will be configured through PC/OVER THE AIR.

1) Slave Generator Screen: In this screen you can configure Slave device (which is support standard Modbus protocol) like On grid inverter, Weather Unit etc. You have the flexible setting option for Modbus parameters like Modbus address, datatype, Function code, Multiplier factor.



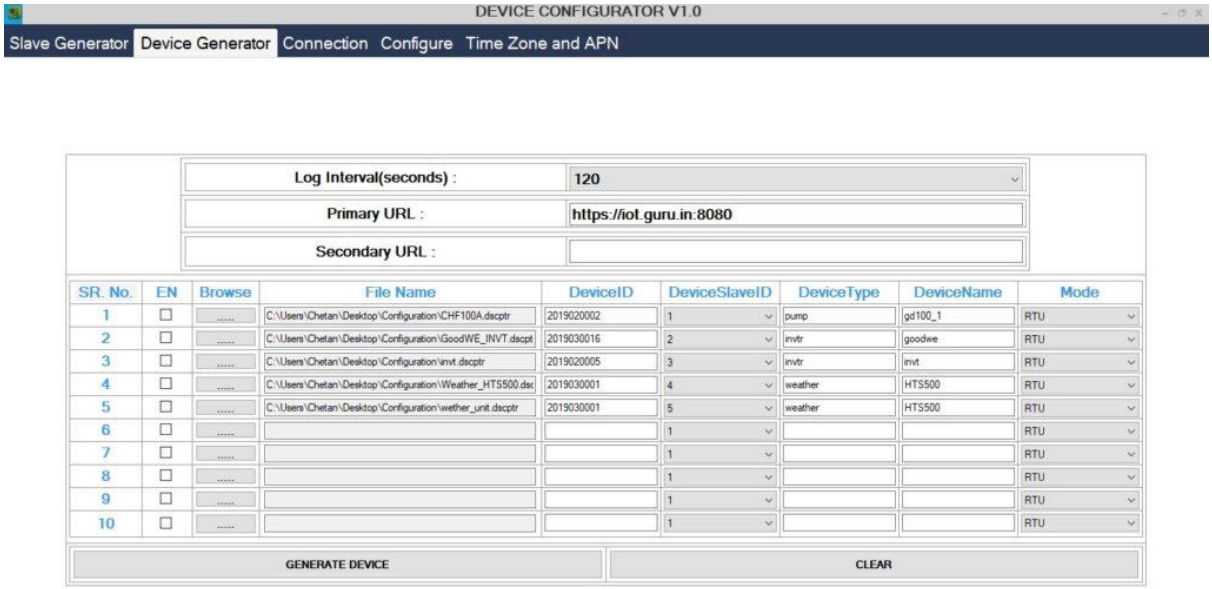
2) Device Configuration Screen:

You can easily configure up to 10 nos. or more Modbus supported device, All Device separately add with unique device identification no. and communication address.

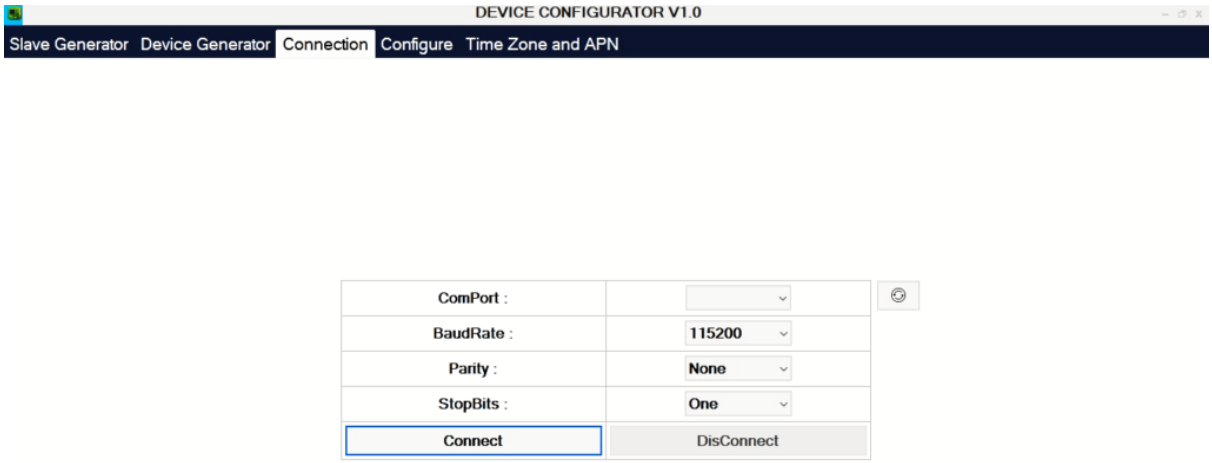
You have to set following parameters in this screen.

- Primary URL (eg. https://trackso.in/8080)
- Log interval in seconds
- Slave comm. Address
- Mode RTU/Ascii

After Setting all parameters you can generate parameter file (Json format) which will save for future use.

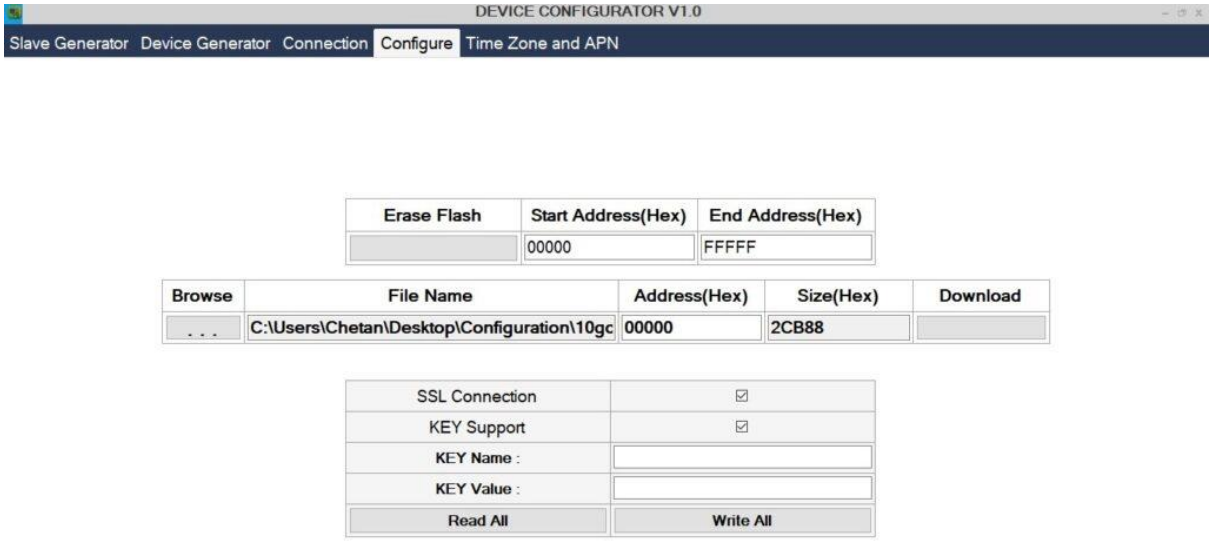


3) Connection Screen: After Generating Device file (Json format), you can connect RMU with PC/laptop via USB & set proper Port connection, Baud rate, Parity bit & Stop bits.

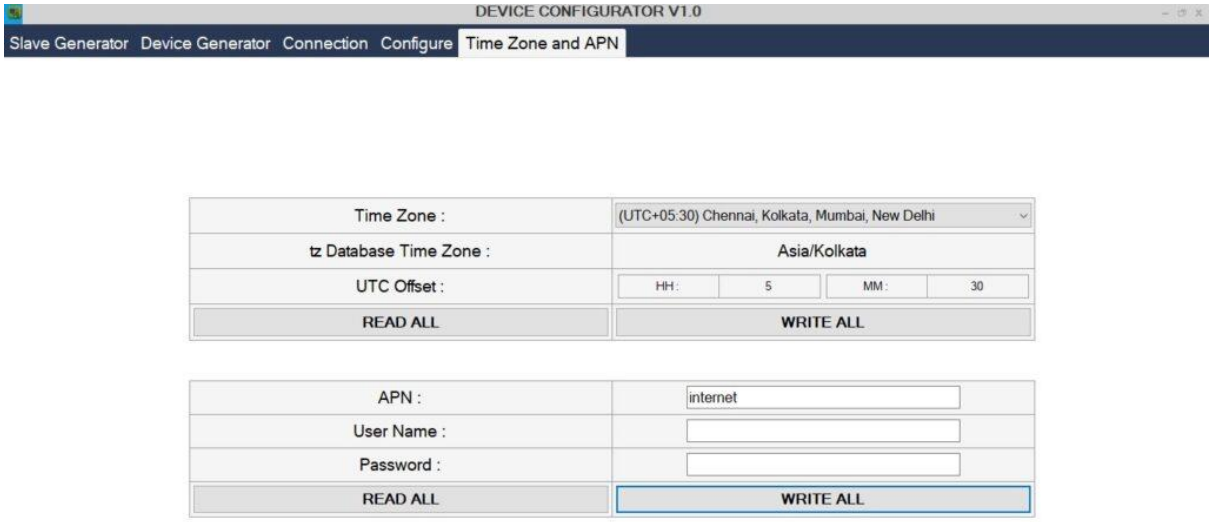


4) Configure Screen: When Device will connect with PC/Laptop, you can download configure file (.Json) to RMU.

Further you have option to set Non-SSL/ SSL connection & authorization key.



5) Wi-Fi Network Setup Tool:



SMS Commands

Restart: SYSRST

Set APN by SMS: SETAPN,APN,USER_NAME,USER_PASSWORD