SHAKTI RMS/IoT DONGLE

- Remote Monitoring and Control
- In-built Data Logger & RTC
- Compatible with GSM, WiFi & Bluetooth

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1. Product Appearance
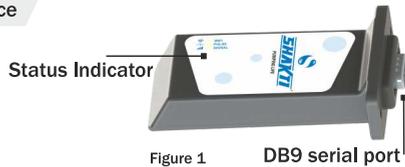
Status Indicator

Figure 1

DB9 serial port

Status Indicator:

Pulse LED(Green)	Blink in every second	Normal
	Constant ON/OFF	Abnormal
Signal LED (RED)	ON	Normal (signal strength good)
	OFF	Abnormal (Signal low / Zero)
Wi-Fi LED (yellow)	ON/ Blink	Normal
	OFF	No WiFi Network

2. Installation and Connection:

For installing the SHAKTI IoT dongle.
Follow these steps :

Step1: Remove the cover and take out the motherboard.

Figure 2

Step2:
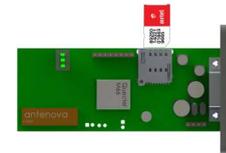Insert SIM card as per the correct direction marked.

Figure 3

Step3:
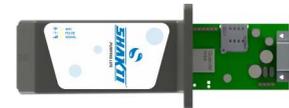Put the motherboard back into the enclosure.

Figure 4

Step 4:
Insert the dongle into DB9 port and use two M3x10 screws to fix the dongle along with gasket.

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3. Configuration

Step1: Connect the "Shakti IoT dongle" to the main device and check the "pulse LED" (green) blinking in every second.

Step2:
If the SIM card is present in the "Shakti IoT dongle" and 2G network is available in that area the Signal LED (RED) will be ON.
(*Note* it will be ON only in good signal strength).

Step3:
To configure the Wi-Fi follow these steps:3.1)

Turn ON Wi-Fi on your Mobile and select "SHAKTI_DONGLE and connect it with the password "shakti123".

An HTML page will open in your browser otherwise browse http://192.168.4.1. You will get the HTML page like this:

Figure 6

3.2) Now "Configure Wi-Fi" now new page will open like this:

Figure 7

3.3) Select your preferred WiFi with proper password and then save. In case your WiFi network is not visible in the list scan again.

Figure 8

On successful configuration, WiFi LED (yellow) will be ON.

NOTE
a) Shakti IoT Dongle is designed to work with GSM on priority, WiFi is always secondary.
b) For using Wi-Fi remove SIM card then connect shakti dongle.
c) On successful TCP connection WI-FI yellow LED will blink in every second.

4. Troubleshooting

1) If Pulse LED is constantly ON/OFF, check main device power supply or restart the device.
2) If signal LED not glowing, check sim card / signal strength.
3) If Wi-Fi LED not glowing, check Wi-Fi network / reconfigure Wi-Fi settings.

5. Contact Shakti to integrate IoT Dongle to other products & solutions.

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