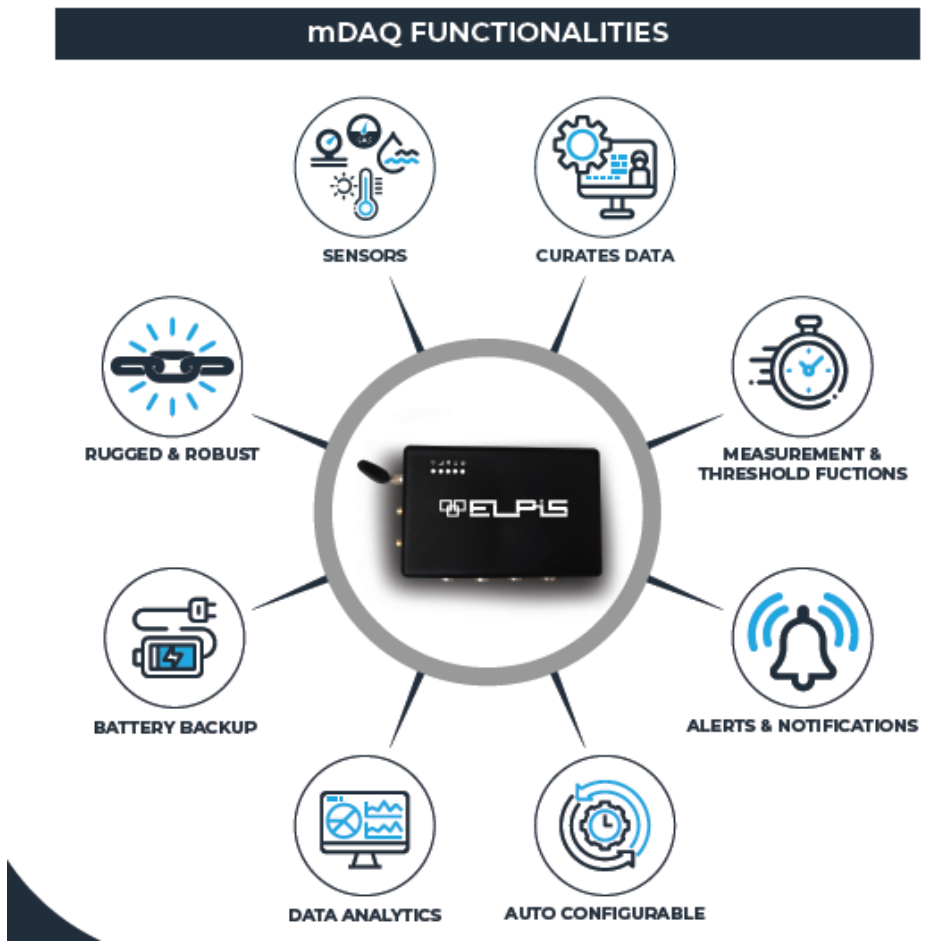


# mDAQ

## Industry 4.0 IoT device for real-time Data Acquisition and sensing

**Elpis mDAQ** is a IoT enabled industry standard, compact, ruggedized, standalone data acquisition device with Analog & Digital inputs with a built-in battery. The device has capability to measure different industrial parameters such as pressure, flow level, temperature, etc. It monitors different logic state of a connected device like On, Off, trip with a host of sensors connected. This device acquires real time sensor data, GPS positioning, and communicates with the cloud server over wireless communication.

Our Cloud/On-Premises E-REMOS Server Application Software enables real time data monitoring and analysis of data collected through mDAQ device. The E-REMOS Application provides customizable dashboard with variety of graphical reports for smart decision making process.



**Get In Touch:**

Phone: +91 63648 35111  
 E-mail: sales@elpisitsolutions.com  
 Web: www.elpisitsolutions.com

**Our Products:** Data Acquisition Systems, Location Based Solutions, Data Analytics Solutions, OPC Products  
**Our Solutions:** Industrial Automation Software, Customer Enterprise Solutions, Cloud & Embedded IOT Mobile Dev  
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**Data Sheet:**

<b>Hardware</b>	
No. Of. Channels	4 Single Ended
ADC Input Resolution	16 bits
Max Sampling Rate	860S/s
Analog Input	0-10V/4-20mA
Digital Inputs	8 Channel (24V)
Digital Outputs	8 Channel (24V)
SIM Slot	Nano, Micro, Regular
Power Supply	Input 24V DC
<b>Standards</b>	
Data Acquisition protocols	MODBUS/TCP, MODBUS RTU
Data Publishing protocols	HTTPS, MQTT
<b>Technology</b>	
Wireless Communication interface	4G, Wi-Fi (Optional)
GSM & GPS	Antenna
Wired Communication Interface	Ethernet(Optional) – RJ45 Connector
<b>User Environment</b>	
Temperature range	–10C to +85C
Humidity	85% RH non Condensing
<b>Peripherals and Accessory</b>	
USB	Type A Connector
Switch	Power On/Off; Reset Switch (Optional)
Connectors	Circular for Sensors & Power
LED Alerts	Power, Sensor active, 4G Network and GPS Status
Protocol	1 RS485/RS232
Battery	Rechargeable Li-Ion Battery (Optional)
Mounting	Provision for slots
<b>Physical</b>	
Dimension	180x150x60mm (LxWxH)
Weight	350gms

