

Medlynk

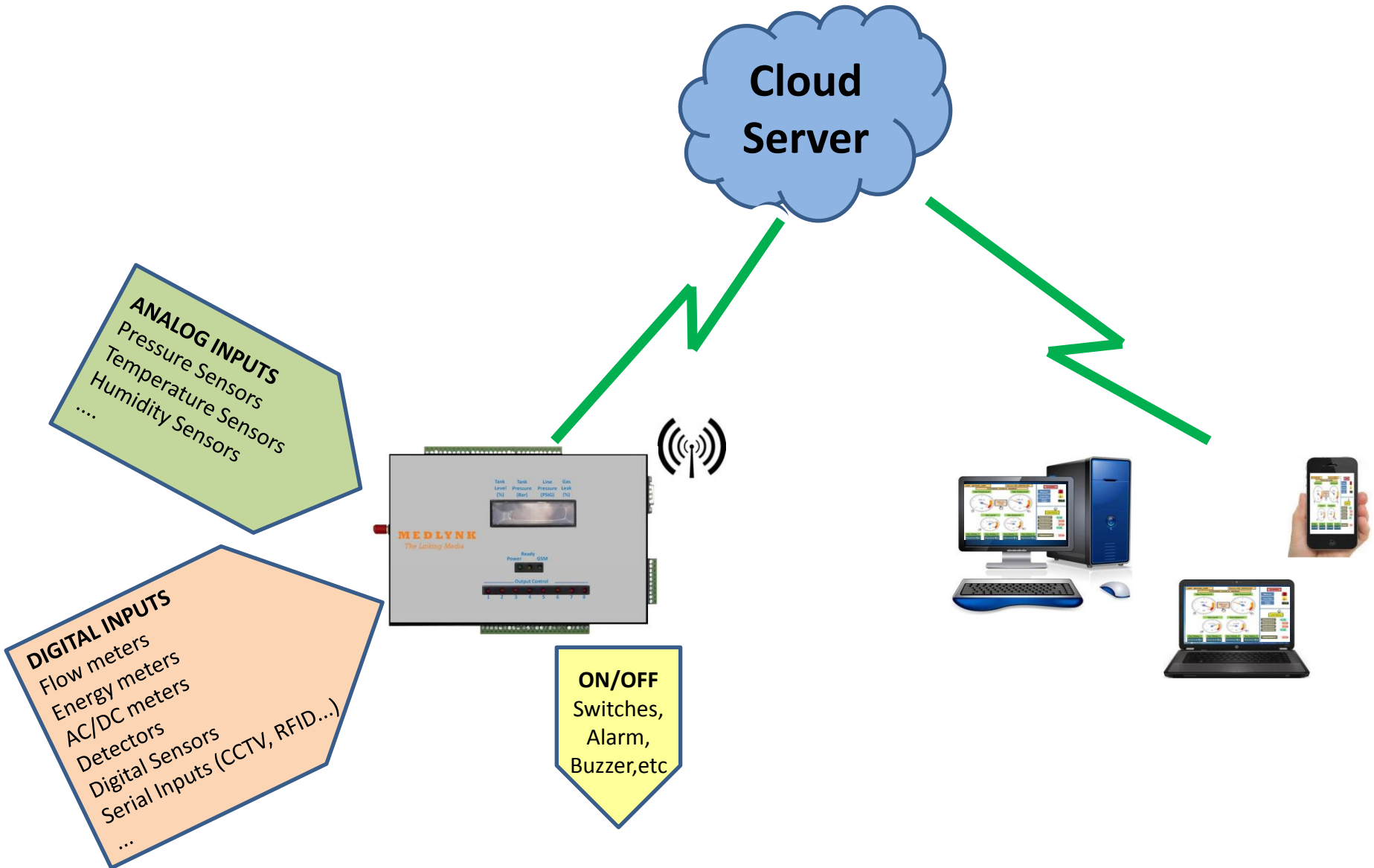
The Linking Media



MED-LINK TECHNOLOGIES

The Linking Media of Life

An Internet of Things (IoT) System for Data Acquisition, Server/Cloud logging, Visualization, Remote Control with Intelligence for Interpreting, Analysing and Reporting.



Key Attributes

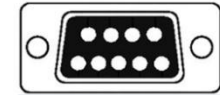
- User Friendly & Ease of Use (Hardware & GUI)
- Customizable to specific use scenario (Hardware & Software)
- Configurability – in both Hardware & Software
- Supports a wide range of input profiles & sensors (analog, digital, serial)
- Multiple Connectivity Options
- Multiple options to switch external controls
- Proprietary & Secure information exchange protocol.

Hardware Unit



8 Analog Channels
Configurable
4-20mA/
0-5V/
0-12V/
0-100V

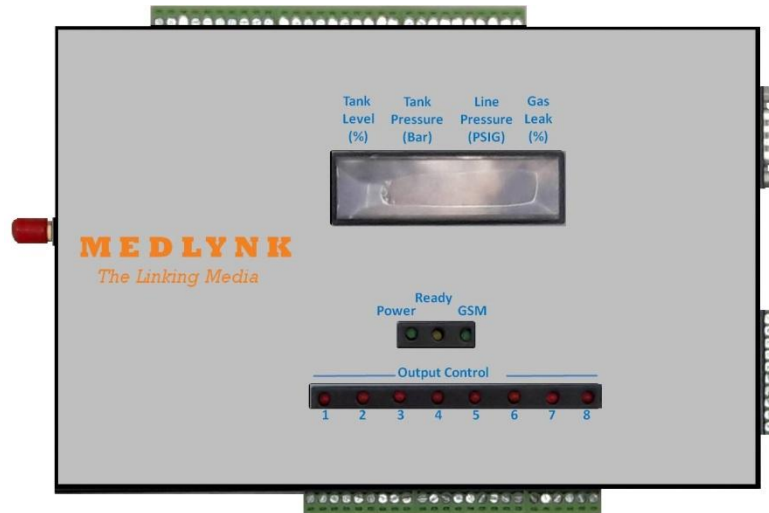
12 Digital Channels
0-24V/
Pulse Count



RS 232
Device to be monitored

Ethernet (RJ 45)
/2G / 3G Options
to connect to
Server

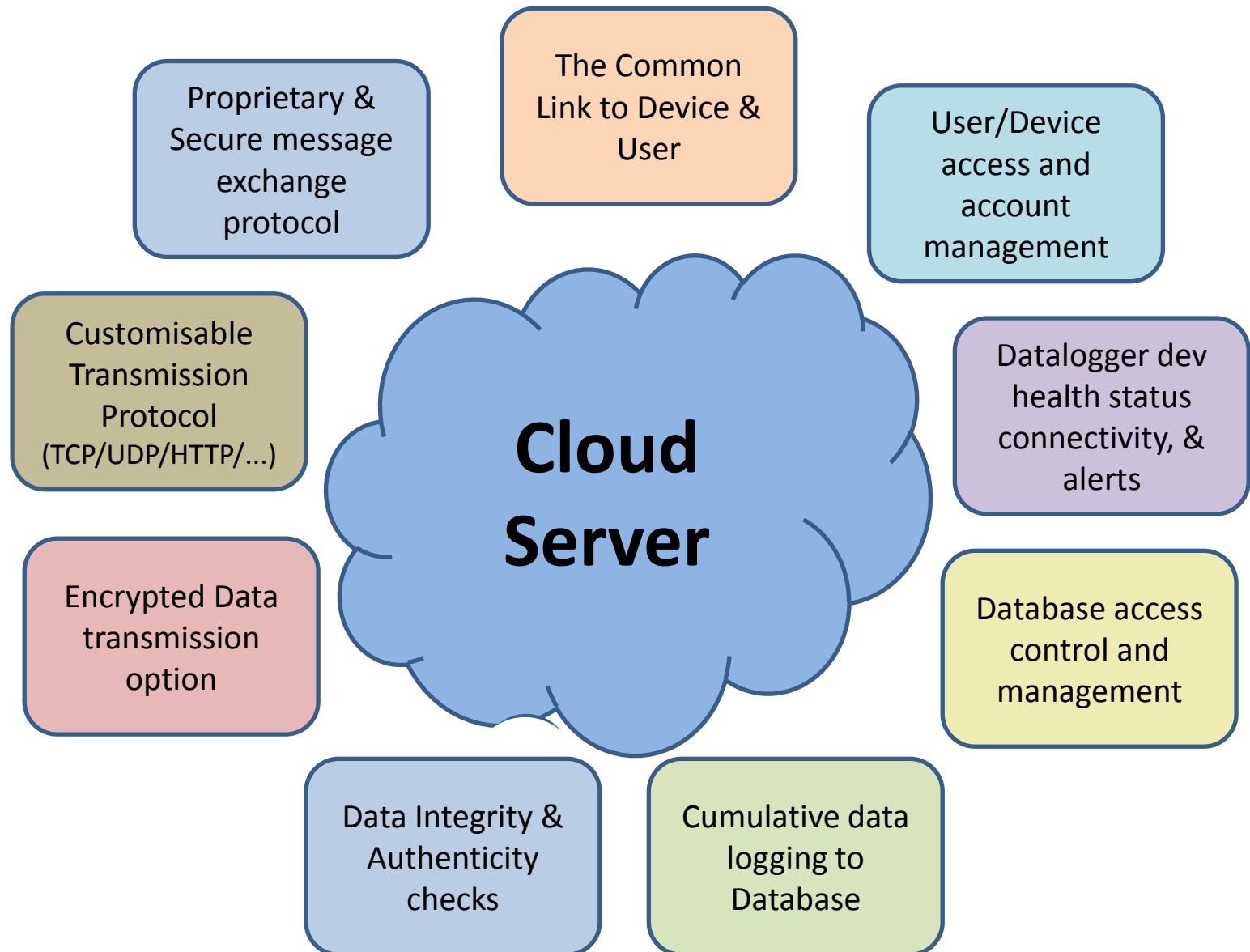
MODBUS Master
(RS 485) for up-to
6 Slave devices



8 relay outputs to
control devices
(remotely)

Internal cache
Customized Display options
RTC & Time Server to Update Time
LEDs for Power, Device Ready, Data Connectivity, & Relay Output status
Action based on signal levels (SMS alerts, Relay control, Alarm/Buzzer, etc)
Optional Battery back up and backup internal data logging.

Cloud Server



Visualization Software/Graphical User Interface (GUI)

Consolidated
view of the
registered
devices

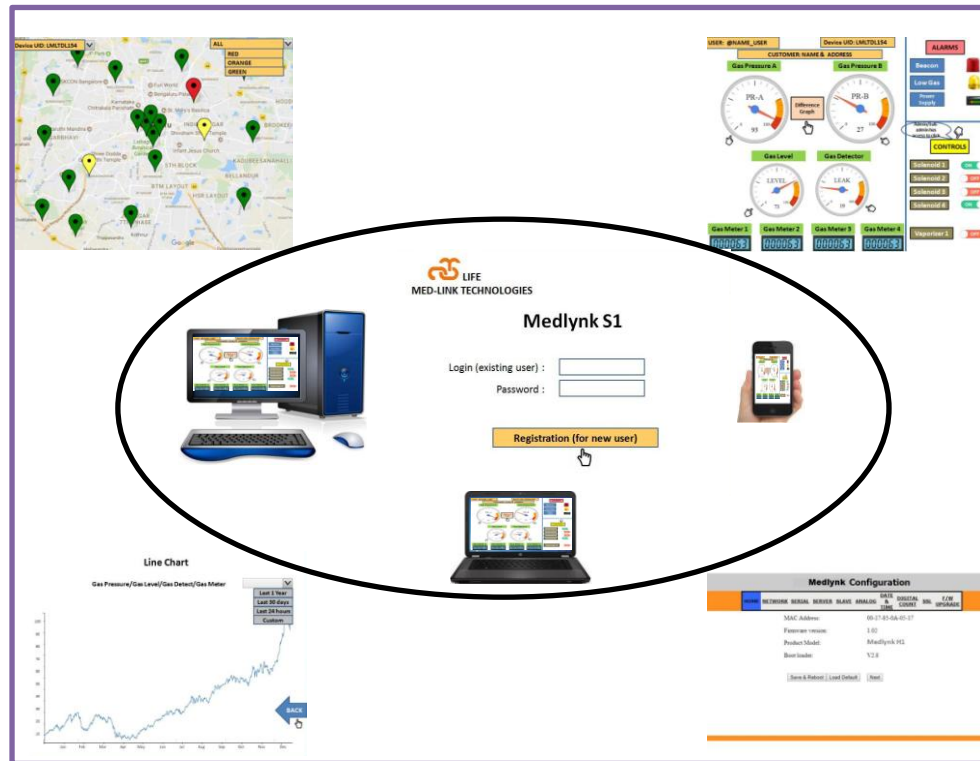
Application
Specific GUI

Consolidated
view all the data
pertaining to a
selected device

Colour code to
indicate severity
of abnormal
operation

Secured Access
to authorized
personnel only

OS Agnostic
(Can View on PC,
Laptop,
Smartphone)



User Interface to
view, monitor,
control remote
devices/data/status

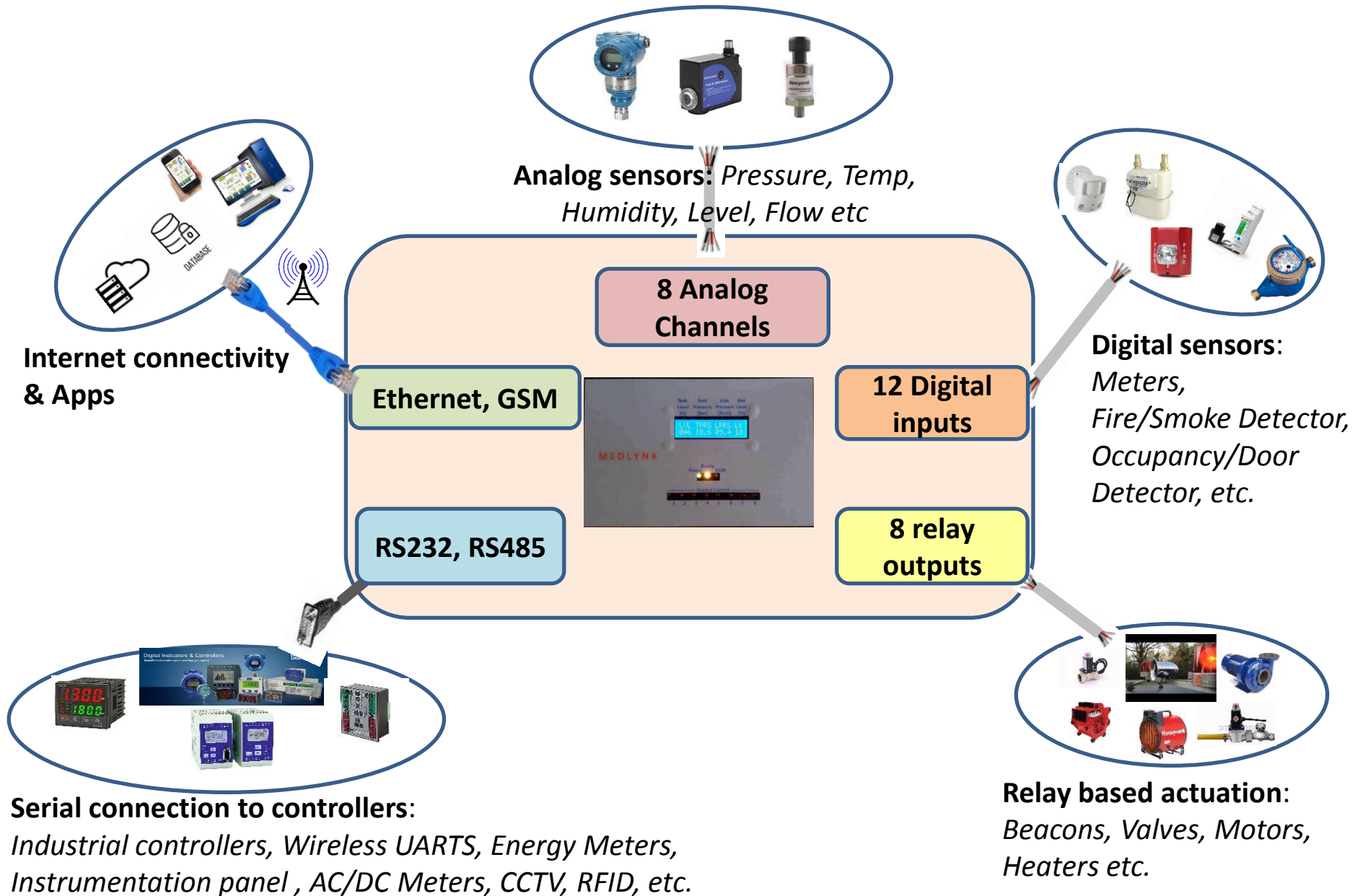
Easy accessibility,
tracking and select-
ability of field
devices

Time Selectable
Historical data of
connected
devices

Warns for any
abnormality/
anomaly

Remote
Configuration of
Data logger

Typical Application Scenarios



Deployable Applications

Remote Monitoring

- Water and Fuel Tanks
- Weather Stations
- Grain Silos
- Motor-Generator Power
- Uninterruptible Power Supplies (UPS)
- In general, Machines and Processes (Process Industry)

Remote Control

- Stop Valves for Oil and Gas
- Water pumps
- Electronic Signs
- Industrial Refrigerators
- Vending Machines
- Programmable Controllers, PLCs
- Remote Terminal, RTUs, ATMs
- In general, Machines and Processes

Application Examples

	Power Generator	Gas Compressor	Tank Levels	Oil Extraction	Power Meters
Typical Measurements	Hours of Usage Combustion Level Motor Temperature Battery Voltage Electric Parameters	Water Pressure Gas Pressure Oil Pressure Combusion Level Electric Parameters Leak Detect	Level of Tank Pump Activation Temperatures Leak Detect	Well Controller Parameters	Measured Electrical Parameters by the Power Meter

A Product of :



LIFE

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