



The Best Data Logger and Signals Concentrator of the Market



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The Best Data Logger and Signals Concentrator of the Market

- THE BRAND •
- GENERAL & TECHNICAL SPECIFICATIONS •
 - PHYSICAL INTERFACES •
 - DOMESTIC APPLICATIONS •
 - FIRMWARE SPECIFICATIONS •
 - Our IOT ARCHITECTURE •
 - PACKAGING •
 - CONTACT US •



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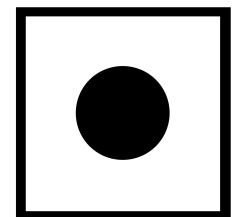
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The Best Data Logger and Signals Concentrator of the Market

• THE BRAND •

- Lobiot ONE™ is a new brand created by Lobo Brothers Company
- Lobo Brothers is a young and uprising Technology Consultants Company situated in Madrid, with a strong background experience and a high-end qualification in the sector
- Lobiot ONE™ is a new brand of IOT industrial products with the next focus >>
 - Creating the best and most competitive IOT industrial products.
 - Simplifying the configuration and connection processes of IOT devices.
- Using the most common IOT protocols and net interfaces (API REST JSON, TCP-IP, Modbus, RS485, Wifi, etc.)
- Database control in each IOT controller to secure and automatic back up all the processed data
- Using open based Linux/Windows operating systems to squeeze and to obtain all the power of the IOT devices
- Working and developing with a total configurable firmware to integrate all the present and future systems (LoraWan, Mbus, etc)



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• GENERAL & TECHNICAL SPECIFICATIONS •

- Manufactured with an Incredible Micro Size and a Weight of just 46 grams
- Immense Operating Capacity of more than 100 Million Database Registry Entries
- Abundant Disk Space (32GB) for the Total 25 Years Guaranteed Unit's Life Expand
- Device's Wide Range of Working Environment Conditions, with Temperatures from 0 to 55°Celsius and an 80% of maximum humidity
- Very Low Power Consumption (1.5 Watts)



- CPU: Quad-core Cortex-A7
- GPU: Mali400MP2 GPU
- RAM: 512MB DDR3 (shared with GPU)
- ETHERNET: 100M RJ45
- WIFI: XR819, IEEE 802.11 b/g/n
- Operating System: Linux
- Product size: 57mm × 49mm × 25mm
- Weight: 46 g
- Power consumption: 1,5 W
- Max. Ambient Humidity: 80%
- Max. Ambient Temperature: 55C

- Incorporated with a Real-Time Controller, Lobiot ONE Micro PLC, running a Linux Operating System
- All Your Important Data, Stored with a New Generation of incorporated MICRO PLC DATALOGGER, to Boost a Superior Speed & Performance
- Real Time Net Working in Cloud, Operating with Ethernet & Wifi / Wireless Nets.
- Easy Unit's Management under a Secure Online Web Manager.
- Simple and Secure Data Accessibility (API REST JSON) to facilitate the Device's integration with any Third-Party System.



- Easy and Effective Connection to the different Industrial Interfaces and Protocols (Modbus RS485-TCP/IP..)
- Automatic Back Up System and Easy Accessibility of the Data (relational database)
- Automatic Online Updating of Unit's Firmware
- Easy Integration with an Incorporated Building Management System (BMS) or SCADA
- Impossible to Decode Encrypted Data incorporated Complex System, for the Total Protection of all Your Saved Data.



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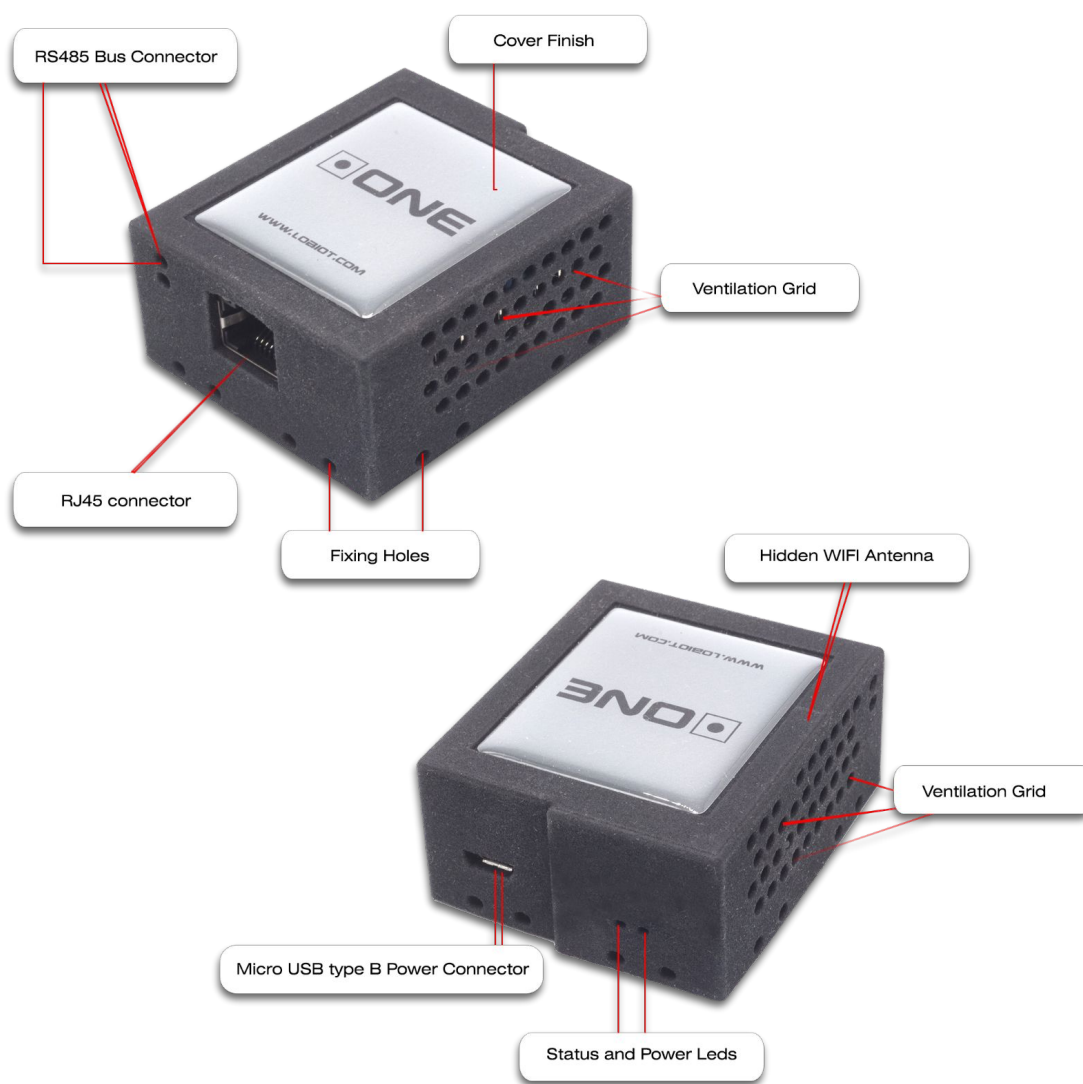


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• PHYSICAL INTERFACES •

Visual description of the Lobot One physical interfaces:





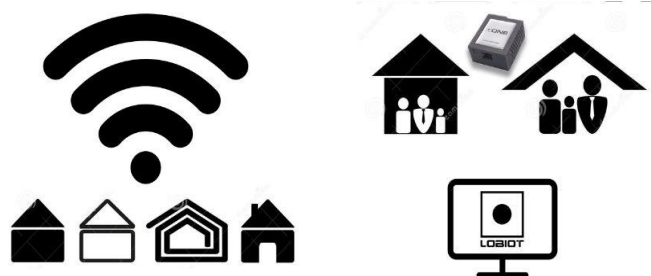
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• DOMESTIC APPLICATIONS •

Some domestic applications and features of the Lobiot One:



- 1 - Remote Control (Switching On/Off) of Interior/Exterior Lighting.
- 2 - Alarm System (intrusion detection).
- 3 - Energy Consumption of Lights, Air Conditioning, etc. Metering.
- 4 - Remote Control of Ambient and Temperature start-up.
- 5 - Photovoltaic Solar Panels Energy Measurement.
- 6 - Remote Control of Garage Door (open/close).
- 7 - Anti-Intrusion System: Doors and Windows Lock.
- 8 - Access Control System: Fingerprint, Entry Codes, etc.
- 9 - Sensorization and Monitoring the home environment,
(Temperature, Relative Humidity, Fire/Smoke Protection, Control of Oil Boilers,
Pipe Anti-freezing System etc.)



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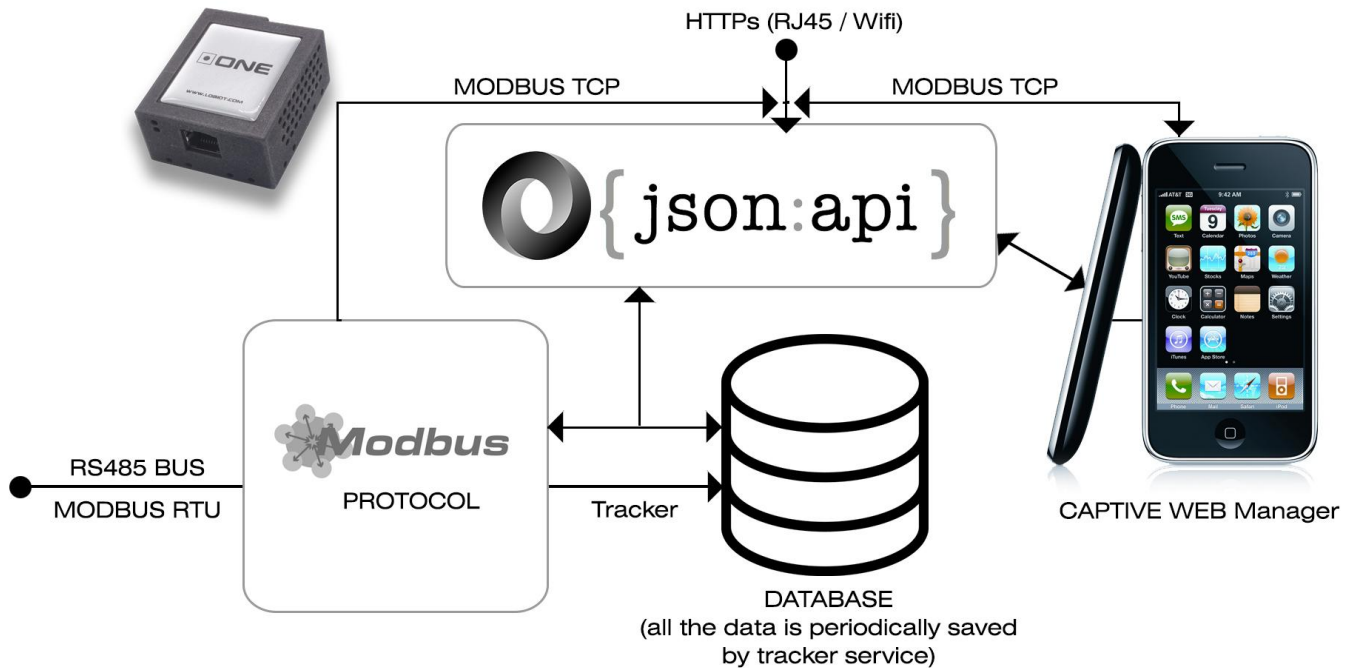
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• FIRMWARE SPECIFICATIONS •

Visual diagram of the Lobot's ONE firmware specifications:





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• Our IOT ARCHITECTURE •

FEATURES OF THE WEB APPLICATION "CENTRALIZED WEB SCADA"

Authentication by user and password.

By default a "god" user will be created (with total powers).

From such user we will create the new environment of hierarchies and users.

Creation of users according to different hierarchies.

Total management of users.

Possibility to apply any level of hierarchy to each element of SCADA.

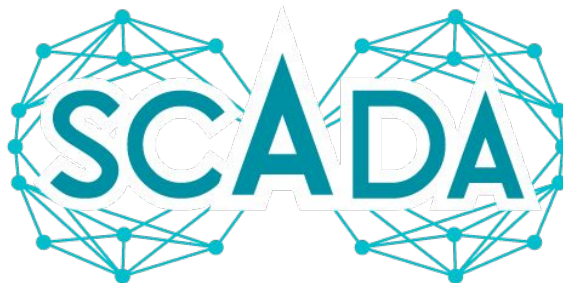
Creation of "control rules", of each concentrator/s, independently or together, through the use of simple "graphical schemes".

This will give us the possibility to "program" each Lobiot One as needed.

Immediate synchronization of the control rules in each concentrator of the network, to which changes apply.

Display, in real time, of all the "field variables" and "states" of the field devices (temperatures, humidities, on / off states of digital inputs and outputs).

Generation of alarms via email, SMS.



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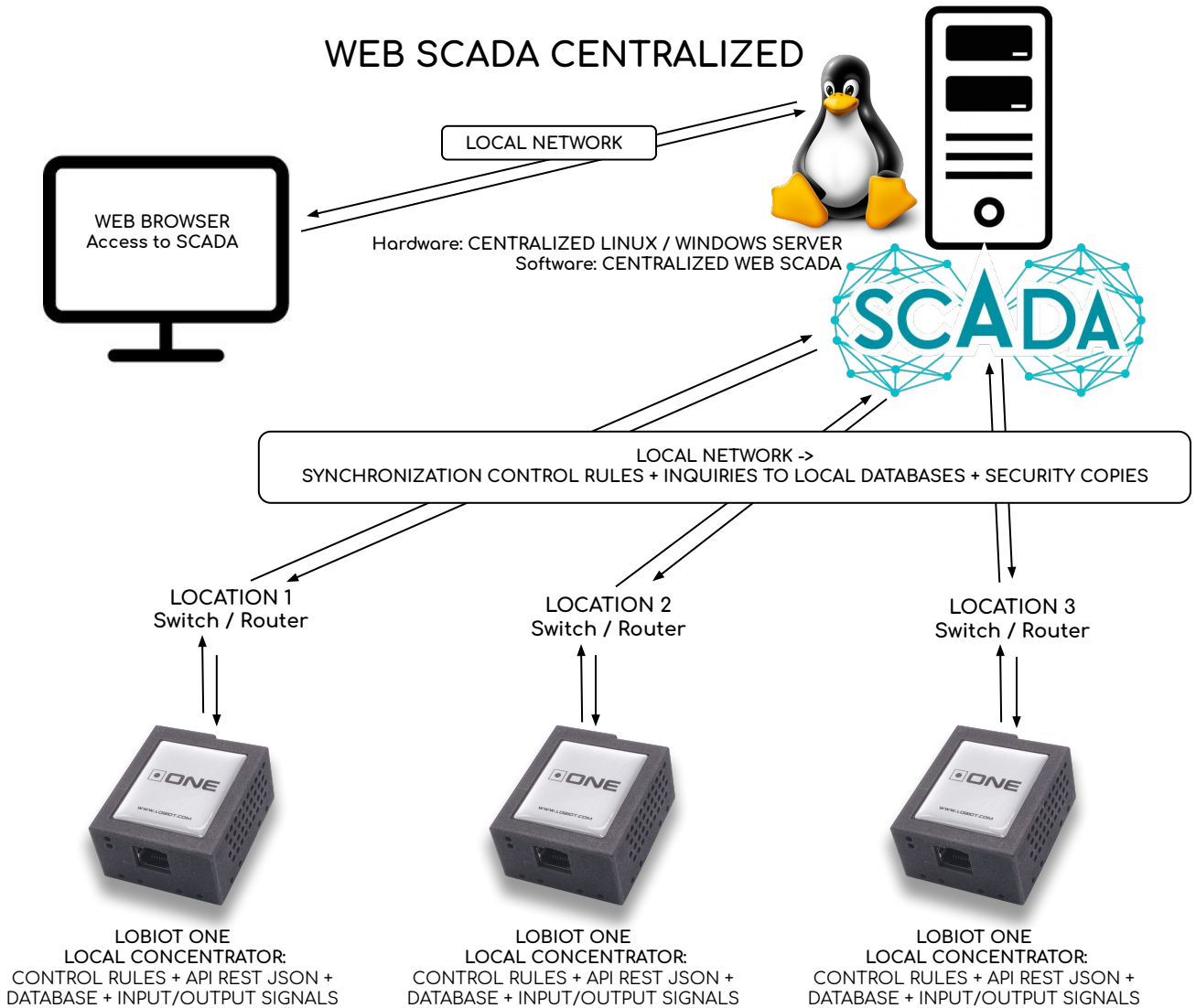
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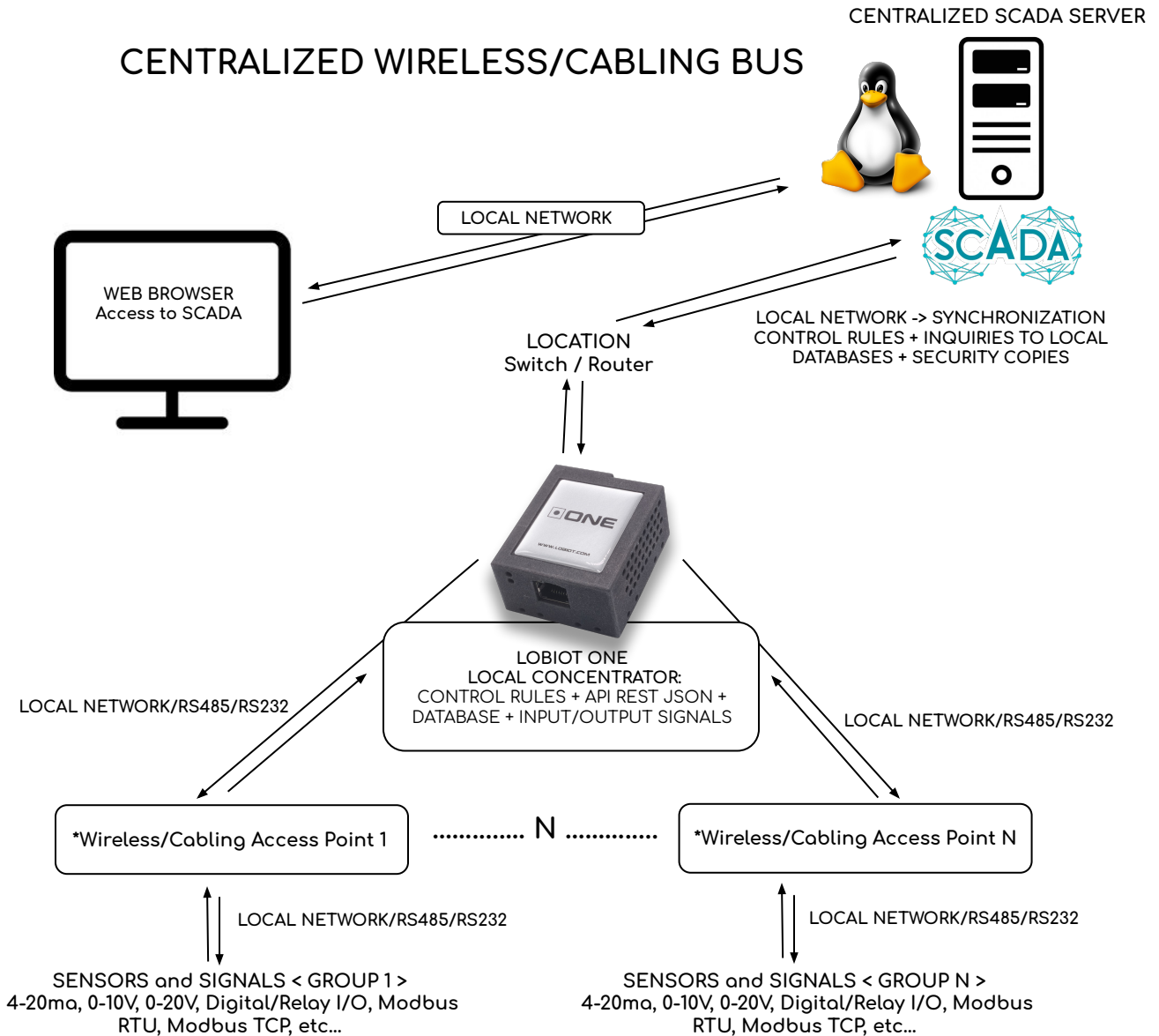
• Our IOT ARCHITECTURE •

Visual diagram of the Lobiot's ONE IOT Architecture



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• Our IOT ARCHITECTURE •





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• PACKAGING •



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