



# LOCAL PROXY

The Local Proxy is an embedded computer with high performances used for the network management of EV charging stations based on the In-PRESA control devices.

Featuring Linux OS the Local Proxy can manage network connection for the EV charging stations thanks to its embedded In-PRESA software. The Local Proxy can work as data logger, users manager, monitoring and configuration unit for the EV charging stations. It also can collect power consumption data for the stations and implement an energy monitor for the system. Each EV charging station can be connected to the In-Presa network or to custom network to implement a central management.

The Local Proxy can also be interfaced to third-party systems to create a global EV charging station network. Many software versions are available for different applications: **NET, WEB, FIDELITY, OCPP**.

## SPECIFICATIONS

<b>POWER SUPPLY</b>	+9÷+48VDC
<b>RS-232 SERIAL INTERFACE</b>	RJ45 CONNECTOR BAUD RATE UP TO 921.6 kbps
<b>ETHERNET INTERFACE</b>	ETHERNET 10/100Mbps RJ45 CONNECTOR 1.5kV MAGNETIC ISOLATION
<b>MANAGED STATIONS</b>	UP TO 32 CHARGING STATIONS
<b>DIMENSIONS</b>	108 x 78 x 24 mm (L x W x H)
<b>CASE</b>	METAL

<b>CURRENT CONSUMPTION</b>	300mA @ 12VDC
<b>USB INTERFACE</b>	USB 2.0 LOW-SPEED (1.5Mbps) AND FULL-SPEED (12Mbps)
<b>RS-485 INTERFACE</b>	RJ45 CONNECTOR BAUD RATE UP TO 921.6 Kbps
<b>OPERATING TEMPERATURE</b>	0° ÷ 70° C
<b>CERTIFICATIONS</b>	CE CLASS A, FCC CLASS A
<b>MOUNTING</b>	HOLES FOR DIN BAR MOUNTING BRACKETS





## WORKING MODES

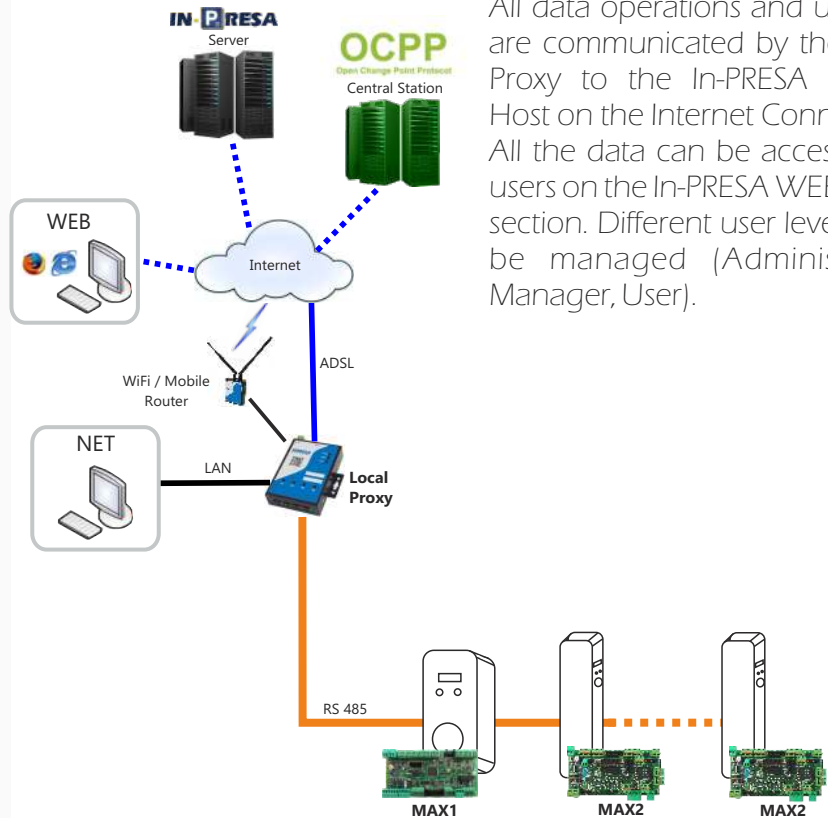
**NET:** NET software is designed to add Local Area Network connectivity to EV charging stations. It is well suited for private charging circuits like parking, condos and companies.

The Local Proxy manages an internal user database and monitors all the EV charging stations. All the data can be accessed by WEB browser on a PC connected through a Local Network. NET software allows the user to get a real time status for the stations and to save data reports.

**OCPP:** Open Charge Point Protocol (OCPP) is an internationally established open protocol for the communication between EV charge stations and charge station networks. It has been adopted in 50 countries and used on about 10.000 EV charging stations.

The Local Proxy can add OCPP connectivity to the EV Charging Stations to allow the integration in OCPP networks.

## ON-LINE



**WEB:** WEB software is designed to add Network connectivity to EV charging stations especially for public systems management. All data operations and user lists are communicated by the Local Proxy to the In-PRESA Central Host on the Internet Connection. All the data can be accessed by users on the In-PRESA WEB portal section. Different user levels can be managed (Administrator, Manager, User).

## CONNECTIONS

