

# eManager

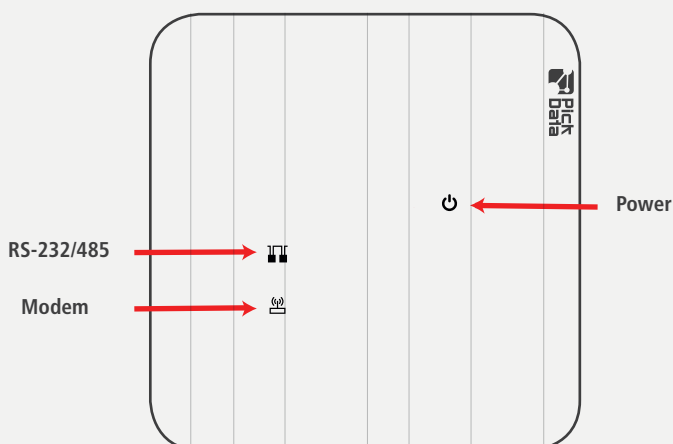
## Main features

- ✓ High performance embedded system with Linux Yocto integrated (other on request)
- ✓ CPU, RAM and Flash memory ready to be the core of any Smart Project
  - ARM CORTEX-A7 700 Mhz
  - 256 MB DDR3 memory
  - 512 MB NAND flash memory
- ✓ GPRS, Digital & Analogue I/O, Energy metering and many more expansion modules
- ✓ Wi-Fi and BT (optional)
- ✓ Node-RED compatible



## Description

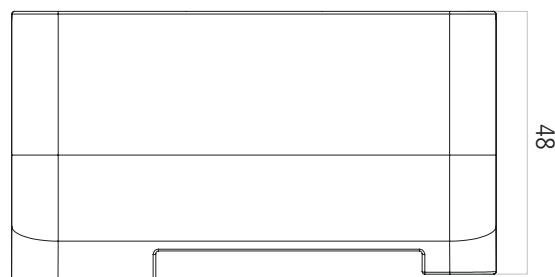
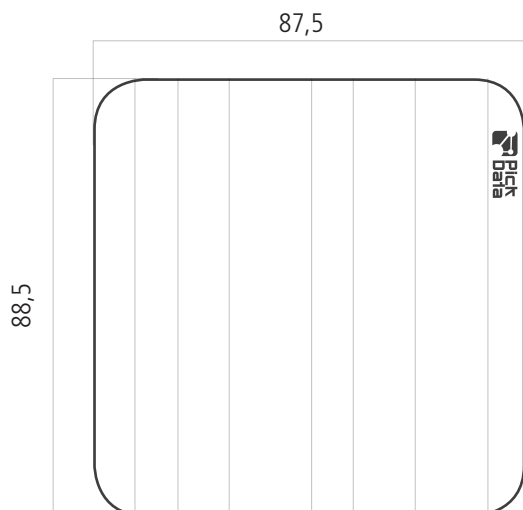
eManager is an OEM industrial controller which is equipped with a high performance control unit with a Linux Yocto embedded. The device includes RS-232/485 serial communications and an Ethernet 10/100 port. Some features as the CPU clock, flash storage or RAM can be chosen between a range of models. eManager can be expanded with GSM/GPRS communications, Digital & Analogue I/O, Energy metering and many more modules.



## LEDs

LED	Name	Description
	Power	Powered: Green
	Modem	Connected with good signal: Static green Connected with weak signal: Blinking green Searching for connection / Without connection : Blinking red
	RS-232/485	Data transmission: Red Data reception: Green

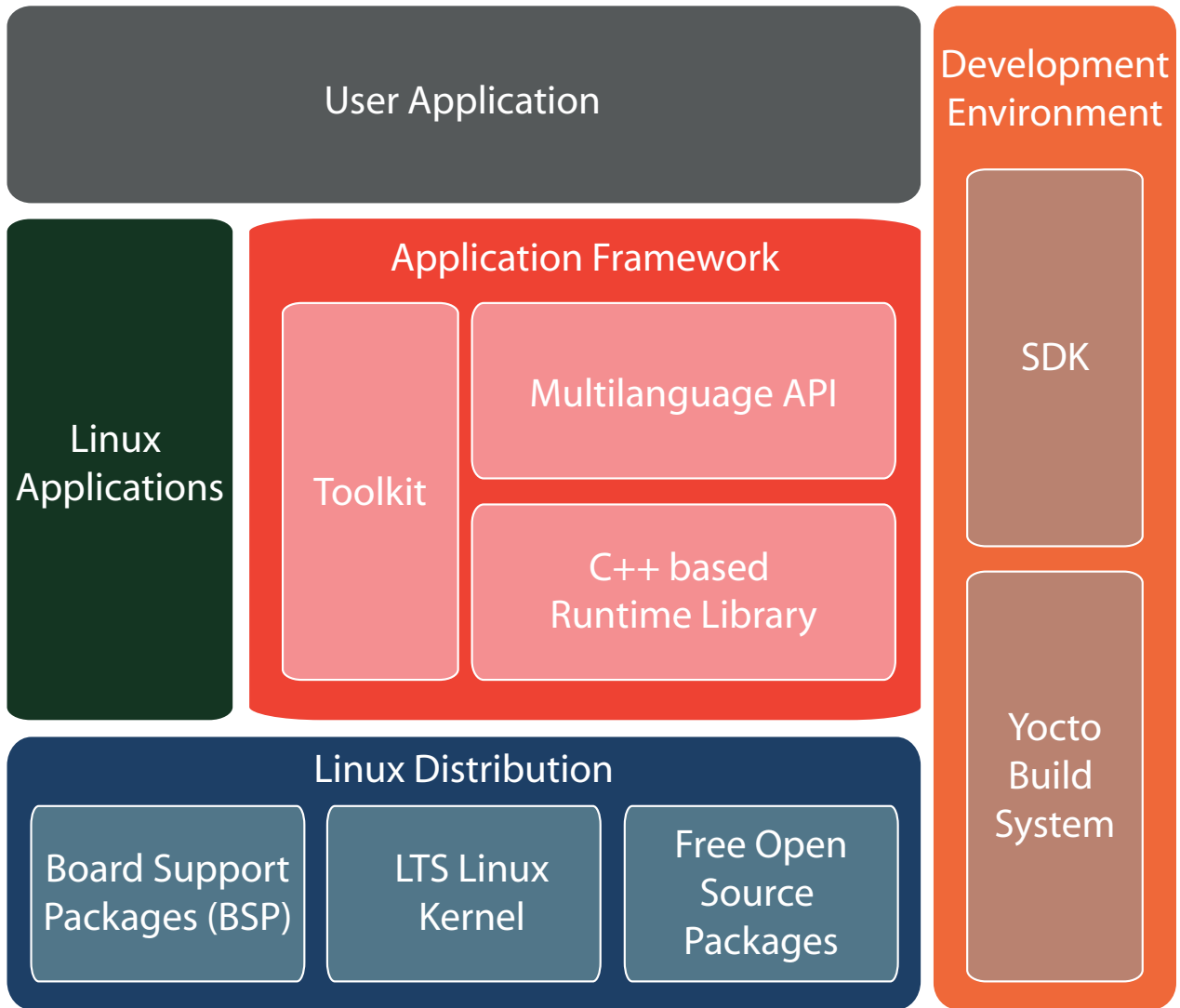
## Dimensions



## Technical features

Category	Parameters	Value
Power circuit	Power supply	85 ... 264 Vac / 120 ... 300 Vdc
	Frecuency	47 ... 63Hz
	Consumption (a.c. / d.c.)	8,8 ... 10,5 VA / 6,4 ... 6,5 W
Control unit	CPU	ARM Cortex-A7 700 Mhz
	RAM Memory	256 MB DDR3
	Flash Memory	512 MB NAND
	Clock	RTC with supercap to backup clock time
Environmental conditions	Operating temperature	-20 ... +50 °C
	Relative humidity	5 ... 95 %
	Maximum working altitude	2000 m
Mechanical characteristics	Enclosure material	UL94 polycarbonate - Self-extinguishing V0
	Protection grade	IP20 (assembled)
	Dimensions (Width x High x Length)	87,5 x 88,5 x 48 mm (5 DIN rail modules)
	Weight	90 g
	Mounting	DIN rail 46277 (EN 50022)
	Connectors	Pluggable terminals, max. wire section 1,5 mm <sup>2</sup>
Electrical and safety features	Electric shock protection	Double-insulated class II
	Insulation	3 kVac
	Installation category	CAT III 300 V
Wireless interface	Wi-Fi (optional)	802.11 b/g/n (2.4 GHz)
	BT (optional)	4.2
Serial interface	Type	RS-232/485
	Baud rate	9600...115200 bps
Network interface	Type	Ethernet
	Working speed	10/100 Mbps
Standards	Standards	UNE EN 61010-1, UNE-EN 61000-6-2, UNE-EN 61000-6-4

## Software platform



### Description

eManager is equipped with a software platform designed for easy develop industrial and edge computing applications. It supports amazing IoT open software tools, like Node-RED and Edge X Foundry, and a complete set of public protocols libraries like Modbus RTU, Modbus TCP, MQTT, BACNET and many others. Our multilanguage API will allow you to use the most appropriate language to develop your own application (C, C++, Python, Go, Java...).

### Main features



IoT open  
software tools



Multilanguage  
API



Public protocols  
libraries