

## LINULUS basis

The Qibixx LINULUS basis is a universal, low power embedded IO computer. It uses a fast, power saving CPU (580MHz MIPS24k), Linux based operating system (OpenWRT), and provides WiFi, Ethernet, USB and serial interface. Adoptable to specific applications with an extendible IO architecture, the compact, ruggedized unit can serve several functions.

The standard device uses less than 1W power and supports WiFi, Ethernet and 3G/4G (via USB modem).

### Summary

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- Expandable Linux Gateway
- Ideal for remote applications
- Base station for Beacons
- Linux based OS
- WiFi and Ethernet network connection
- USB-Port (2x)
- RS 232 and 1-Wire interface
- micro SD card
- LCD-Display (optional)
- Developed in Switzerland, manufactured in the EU



### Application

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- Data collection via WiFi, BLE, USB
- Solar power system monitoring / control
- Access control and security monitoring
- IO monitoring and control
- Vending and Gaming Machine Interface
- Security shield for older IP technology
- Generic protocol conversion applications

## Technical Specification

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### Operation System

- OpenWRT

### Serial Interface (8-pol mini DIN)

- RS232
- 1-Wire

### USB Interfaces

- Two USB 2.0

### Network Interfaces

- WiFi 802.11 b/g/n, 2.4 GHz (internal)
- Two RJ45 10/100 Mbit auto detect (WAN, LAN)
- IPV4, IPV6 capable
- TCP/IP, UDP, ICMP, DHCP

### micro SD card

- Support up to 32GB

### Status Display

- 1 bicolor LED indicator

### LCD-Display (optional)

- 1.44" 128 x 128 TFT LCD

### Power Supply Input

- 5 VDC, 2.5Watt max.

### Case

- High quality plastic
- 3.60" x 3.60" x 1.38", 91.5mm x 91.5mm x 35mm

### Warranty

- Two years

### Environmental and Certifications

- Operation Environment: 0 to +50°C / 32 to 104°F
- Storage Conditions: 0 to +70°C / 32 to 158°F
- Both 0-70% relative humidity, non-condensing
- Certifications: FCC, CE