

# barbara

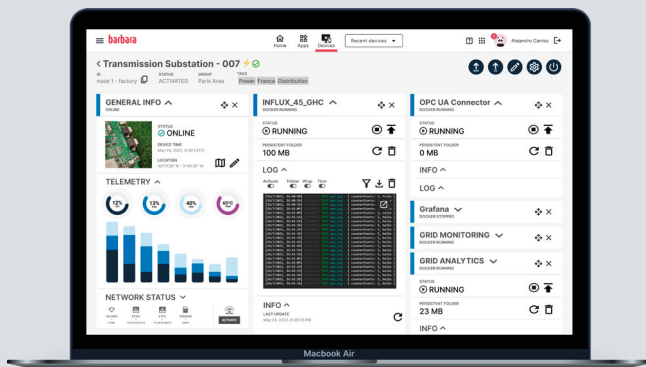
The Cybersecure Industrial Edge Platform

## Connect, deploy and scale edge gateways and applications with Barbara

You can now build, orchestrate and maintain at scale container based and native applications across multiple distributed edge locations from one single screen, with our comprehensive suite of products.



ORCHESTRATE  
APPLICATIONS  
AT SCALE



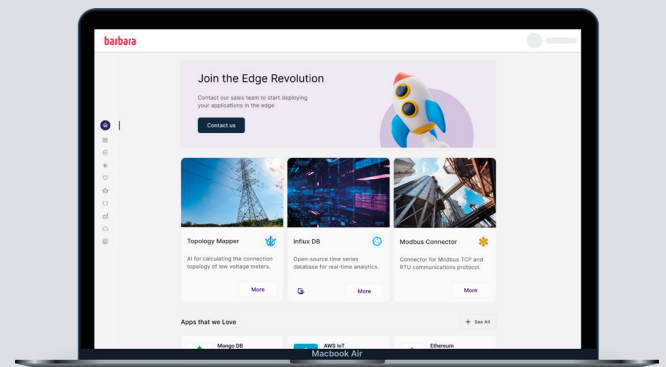
### barbara panel

Main features:

- Industrial Connectors
- Edge Orchestration
- Edge AI
- Device Management
- Batch Operations
- VPN
- Data Analytics
- Business Integration



OFF-THE-SHELF  
STANDARD SOLUTIONS  
TO TURBO-CHARGE  
YOUR BUSINESS



### barbara marketplace

Get certified Edge Apps developed either by our partners or by us, ready to be deployed in the edge with little to no customization.

# barbara

The Cybersecure Industrial Edge Platform

Create business-ready solutions with flexibility and interoperability built-in from the start. Accelerate your time-to-market by deploying faster your applications with an easy-to-use and easy-to-understand edge computing stack

## Barbara API

### Built on Standards

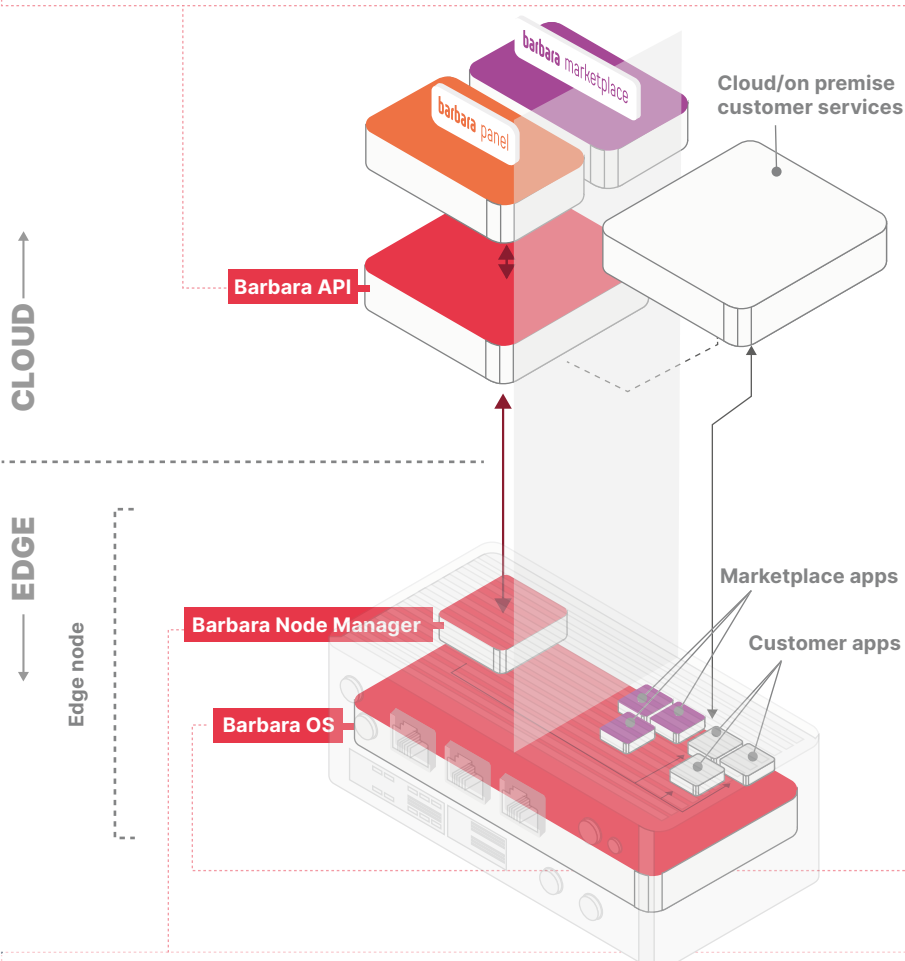
It's a REST API implemented using open-source and cross-platform technologies to ensure flexibility, long-term support, product quality and security.

### Interoperable and Extensible

It has been designed as a horizontal piece that fits into a much larger puzzle. Our API has been conceived to allow easy integration with any other corporate systems.

### Based on Microservices

Microservices-based system that can run as a multi-tenant SaaS or can be deployed as a dedicated instance in any type of public or private cloud or on-premise.



## Barbara OS

### Linux-based

Based on the standard Linux kernel, it is a distribution completely developed by Barbara with remote manageability and small footprint at the core of the design.

### Compatible with any Hardware

It offers out-of-the-box compatibility with all the major chip architectures (x86\_64, armv7 and aarch64) and protocols (Ethernet, WiFi, 3G/4G/5G, Bluetooth and RS485).

### Cybersecure

Barbara OS is fully patched and constantly updated to prevent and protect against vulnerabilities that can be exploited by malicious entities.

## Barbara Node Manager

### Management and Orchestration

It implements the core Edge Management and Orchestration (EMO) functionalities, including initial provisioning, ongoing monitorization and edge application scheduling.

### Edge Health

It collects data on node performance such as CPU load, memory usage or device temperature, and makes it accessible through the API.

### Zero-touch OTA Updates

It enables the remote deployment of patches and feature updates through an encrypted and verified channel. Update packages are bandwidth-optimized, with sizes close to 1MB.