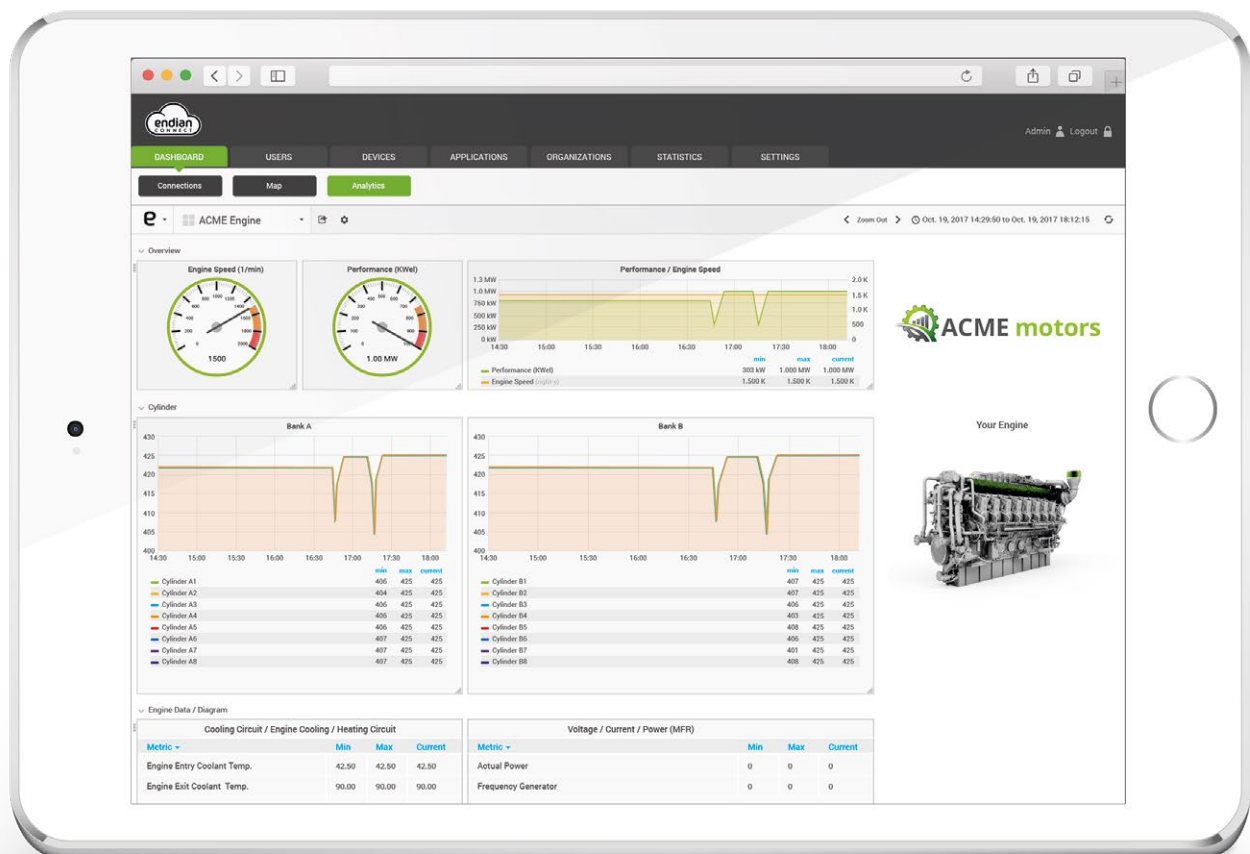


# ENDIAN CONNECT PLATFORM

## BIG DATA FOR INDUSTRIAL IOT

The simplest and most secure platform for connecting your users and devices



## The Key Features of Endian Connect Begin Where Existing Solutions Fall Short

### Built for Big Data

**Build Custom Dashboards**

**Monitor and collect data from virtually any field device**

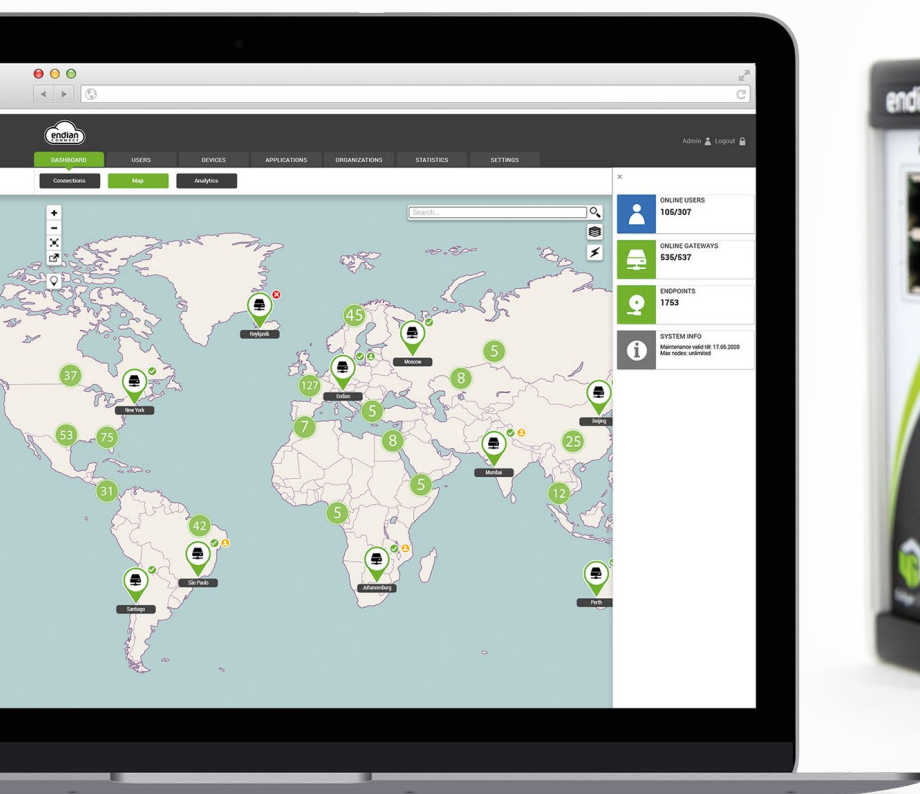
**Aggregate data across thousands of remote sites**

### Built for industrial IoT

**Connect people to things and things to things**

**Visual device management with dashboard and maps**

**Monitor and analyze all your big or small data components**

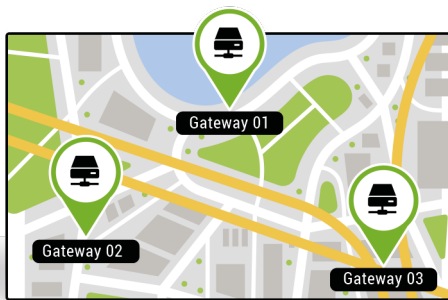


## Endian Connect Platform - Three Key Principles



### Secure Connection

At the heart of Endian is security and our passion for this is evident in the Connect Platform. Things like industry standard encryption protocols, two-factor authentication, support for external authentication sources (like Active Directory or LDAP) and so much more. In addition, the Endian OS platform is included in all of the Endian components as well so you know you get the highest levels of security.



### Easy Management

Our goal is make secure remote access as easy as possible. Endian Plug & Connect feature which enables rapid, centralized remote deployment of field devices over the Internet. A real-time map visualization of your infrastructure makes remote access as simple as point-and-click. Integrated application support allows you to access remote resources using only a browser and works great on mobile platform too!



### Advanced Analytics

The Connect Platform is at the heart of connecting your users and things together which makes it even better suited to store, monitor and analyze all your big or small data components across your remote infrastructure. Build custom dashboard views to get the insight your business needs to provide superior products and support. The data collected forms the basis for predictive maintenance.



### Predictive Maintenance

Endian Connect Platform provides the ability to collect data from globally distributed sites. These data form the basis for predictive maintenance and the optimization of machines. Users benefit from reduced downtime and higher efficiency. The result is satisfied customers and decisive competitive advantages.

## Live Map

Visualize your network like never before using the Dashboard with live maps feature which shows all your remote sites and user activity in real-time.

Live global map view of all your remote sites

Detail view gives you site information and quick links for remote access

Search for site information or filter the map view to show only specific sites

See remote site status updated in real-time

See who is connecting to remote sites with real-time user information

Dashboard view gives you at-a-glance usage information

**Organisation:** Endian  
**Product:** 4i-edge-515  
**Applications:** [https](#) [ssh](#)

**Location:**  
Pillhof 47, Eppan  
39057, BZ, Italy

Endpoint	Applications
HMI	<a href="#">https</a> <a href="#">vnc</a>
SCADA / Windows	<a href="#">rdp</a>

**ONLINE USERS**  
105/307

**ONLINE GATEWAYS**  
535/537

**ENDPOINTS**  
1753

**SYSTEM INFO**  
Maintenance valid till: 17.05.2020  
Max nodes: unlimited

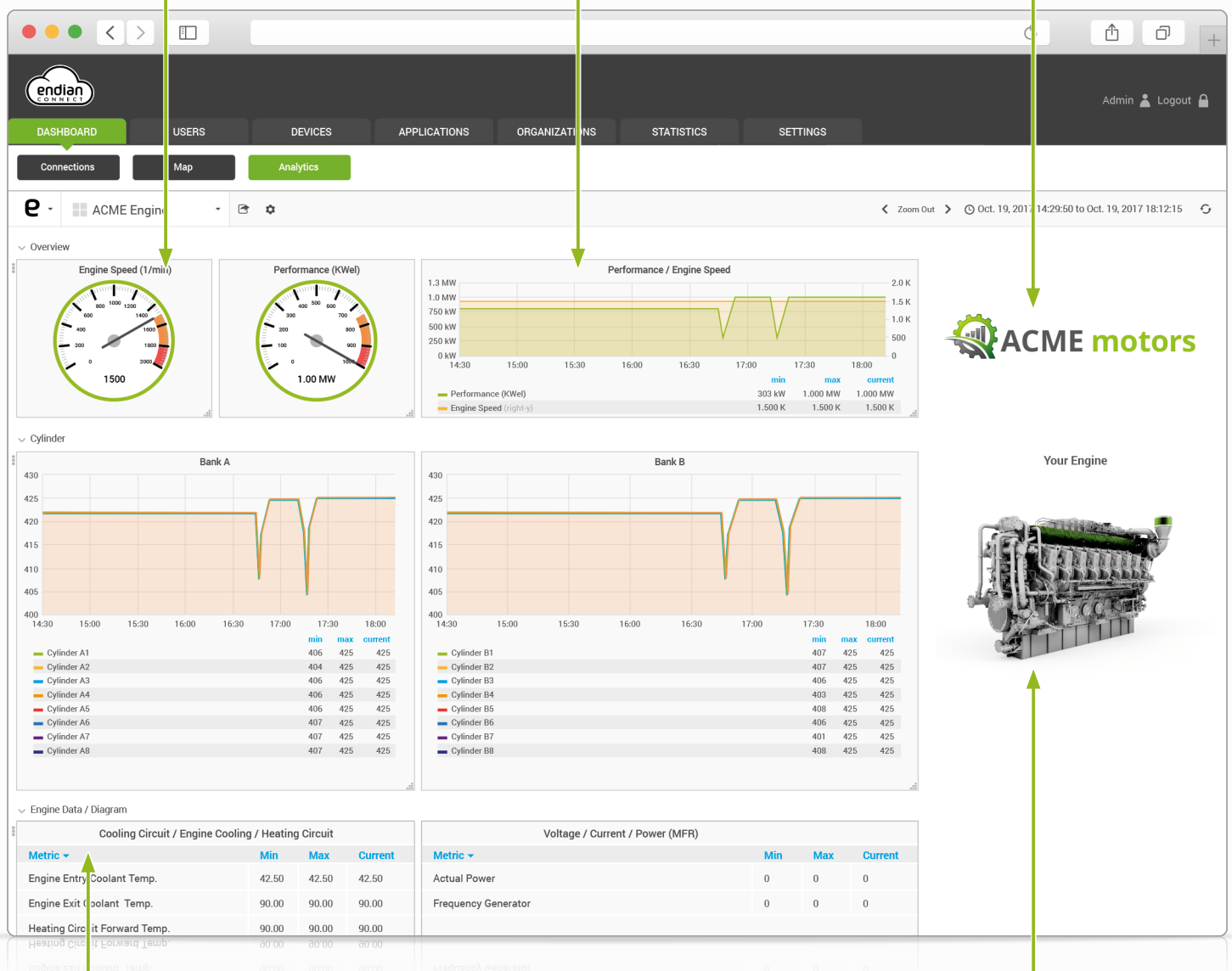
## Analyze and Monitor Dashboard

Build custom real-time dashboards to monitor and analyze data coming from remote field equipment. Add your company branding as well to further enhance your business profile.

Real-time gauge gives instant insight into remote device health

Create custom graph to record and analyze remote device metrics

Brand the dashboard as your own with your company logo

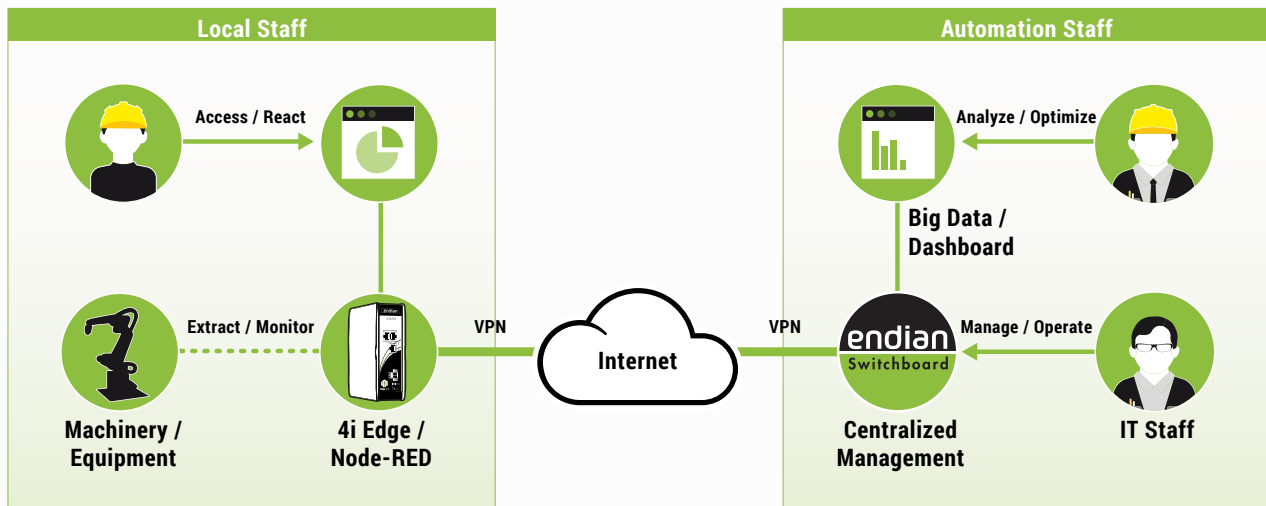


Collect data points and create informative table views for users

Add specific device information and image to dashboard



## The Connect Platform Components



### Industrial Network (Field)

- Machine Data Extraction and Automation
- Local Monitoring and Dashboard (Fog)
- Secure Connectivity and Data Forwarding

### Corporate Network (On-Premis)

- Centralized Management and Monitoring
- Predictive Maintenance and Analysis
- Collective Dashboard and Intelligence

## Build Your Own Connect Platform

### 1 You Choose Your Big Data Switchboard Server

#### On-Premise

- Host in your own infrastructure
- Centralized security available
- Available as hardware, software or virtual appliance

#### Cloud-Hosted

- No servers installation/setup
- Start deploying immediately
- Convenient low-cost monthly billing option available

### 2 Next Choose How to Connect

#### Endian Connect APP

- VPN Client Software
- Full Network Access
- Support for Windows and Mac OS X Platforms

#### Endian Connect WEB

- Any web browser is a client
- Works on mobile platforms\*
- Utilize supported apps

\* Requires HTML5 Browser

Connect WEB Apps	
	RDP
	VNC
	HTTP HTTPS
	SSH Telnet

### 3 Connect Your Networks & Devices

#### Hardware

- Hardware with Endian OS
- **Plug & Connect available**
- Protect networks / devices
- Indoor & Rugged Models

#### Software Agent

- Lightweight software client
- **Plug & Connect available**
- Protect devices
- Windows & Mac OS X

#### Custom / SDK

- Embed client in your product
- **Plug & Connect available**
- Protect devices
- Modern platform & API

## Endian 4i Edge 515

The most robust industrial solution

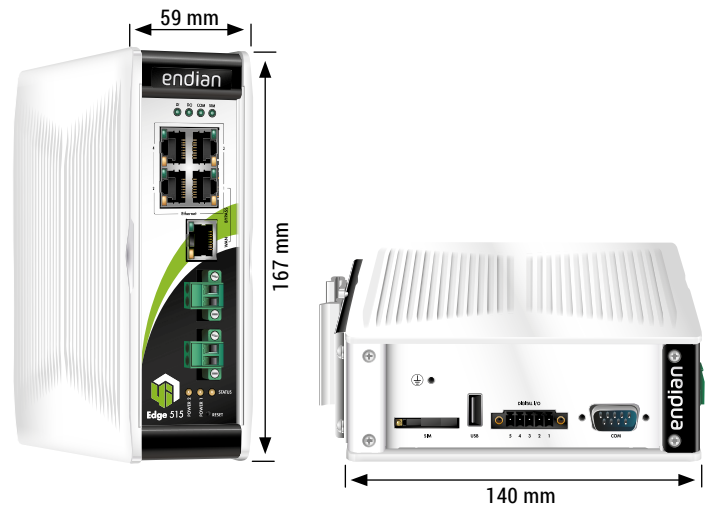
4i Edge 515 is the strongest ruggedized appliance of the new series. Its powerful hardware is conceived to work in critical conditions and under extreme temperatures. The solution guarantees an even more stable and scalable VPN connection between head quarter and branch offices or production sites.

### Highlights

- -20 to +70°C operating temperature
- Simple, secure VPN access
- 3G Module (optional)
- Dual power input 24V DC
- 4G Ready

### Recommended for

- Machine building
- Manufacturing
- Infrastructure
- Healthcare
- Communications



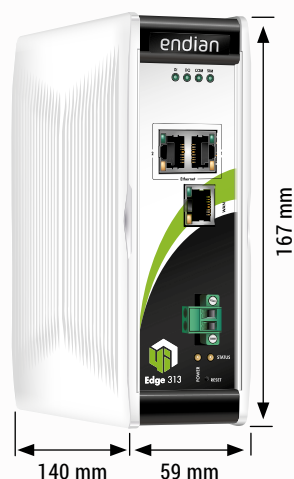
### Performance

Firewall Throughput:	120 Mbps
VPN Throughput:	30 Mbps
IPS Throughput	20 Mbps

## Endian 4i Edge 313

The DIN rail industrial solution

It is the ideal appliance to secure industrial networks and protect data exchange between branch offices. Serial over IP and Digital Input/ Output included.



### Highlights

- 0 to +60°C operating temperature
- Simple, secure VPN access
- 3G Module (optional)
- Power input 24V DC
- 4G Ready

### Recommended for

- Machine building
- Manufacturing
- Infrastructure

## Endian 4i Edge 112

Powerful desktop industrial solution

A scalable desktop solution that provides comprehensive network protection. The ideal product to connect remote locations that are not temperature sensitive. Maximum flexibility and easy integration in all networks.

### Highlights

- 0 to +60°C operating temperature
- Simple, secure VPN access
- Power input 24V DC

### Recommended for

- Infrastructure
- Healthcare
- Communications



# References

successfully used by

**LIEBHERR**

challenge

► Provide secure remote access to construction and production machinery.

why endian

► Granular user- and group- level permission management in Endian Connect Switchboard.

**CATERPILLAR®**

► Run remote diagnostics and deliver software updates to gas engines for distributed power generation.

► Endian 4i box installed directly into the endpoint to enable remote servicing and maintenance. Endian Connect Switchboard for granular management of access privileges.

 **Werfen**  
Diagnostic Solutions for Life

► Connect diagnostic equipment located in hospitals and laboratories to unsecure LAN segments for remote monitoring and predictive maintenance.

► Attach 4i Edge to every machine to get plug-and-protect security deployed with zero training for field service personnel. Remote management and central monitoring via Endian Connect Switchboard.

about us

**endian**

Endian is an emerging market leader in the area of Industrial IoT security. We have a proven track record in delivering innovative security solutions and a strategic commitment to the needs of industrial customers. We provide integrated software and hardware solutions that maximize effective security. Endian Connect for Industrial IoT helps customers protect their business with best-in-class security and minimal operating cost. **Secure everyThing.**



Endian wins the Digital Transformation Award 2017

Want to learn more? Get in touch. [www.endian.com](http://www.endian.com)