

Powering Intelligence in your IoT

The exponential growth of intelligent sensors and devices is generating an unprecedented amount of data. This is reshaping IT architectures, as increasingly powerful processing and machine learning inference capabilities are required at the Edge of the networks to enable next generation, transformative AI and IoT applications. BullSequana Edge has been designed to meet these challenges, delivering powerful AI inference and streaming analytics capabilities while ensuring that all data remains safe and secure.

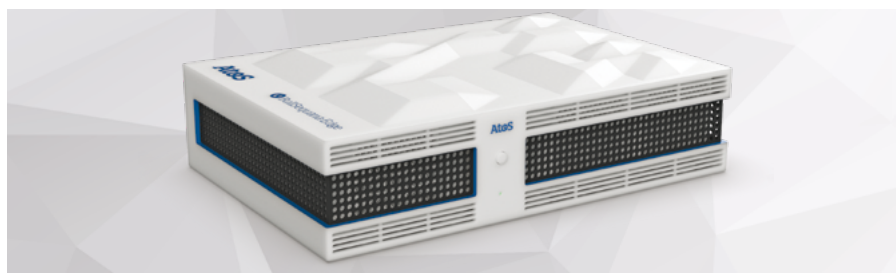
Designed to operate outside of the datacenter

In order to reduce latency and to optimize network bandwidth, Edge servers often need to be placed in close proximity of IOT devices such as cameras, sensors or production robots. BullSequana Edge is capable to function in weather protected locations which are only partially temperature controlled and can therefore operate in a variety of locations such as airports, shop or factory floors. Moreover, BullSequana Edge offers very flexible installment choices such as desktop, wall or rack mount options.

Hyperconverged infrastructure for accelerated Edge Data Analytics

Industry 4.0 applications require Edge Analytics with the lowest possible latency as well as rock solid data persistence. BullSequana Edge has therefore been designed to enable open source based hyperconverged infrastructure solutions which enable flexible resource sharing between nodes, centralized management and security hardening.

Streaming analytics solutions such as Spark and Kafka can flexibly be deployed on this stack. Through its powerful GPUs BullSequana Edge also supports accelerated machine learning algorithms enabled by RAPIDS and similar frameworks.



High end AI and machine learning performance

BullSequana Edge has been designed to provide leading AI acceleration capabilities for resources hungry Video streaming analytics. The server can host up to two powerful Nvidia Tesla T4 GPUs or optional FPGAs. This enables the inference of complex AI models right at the edge with lowest possible latency. Together with its powerful 16 core Intel® Xeon® processor, BullSequana Edge provides an outstanding compute power-pack for the implementation of most demanding machine learning applications.

IoT Gateway and remote deployment capabilities

Thanks to its WIFI, GSM and Lora radio capabilities, BullSequana Edge can also act as an IOT Gateway. The radios capabilities make the server independent from traditional network connectivity and allow deployment in remote locations which are not equipped for hosting IT infrastructure.

Security and Data protection

When living outside of a datacenter, the risk of physical intrusion increases substantially. BullSequana Edge has therefore been equipped with an Intrusion Sensor which disables the machine in case of physical attacks. A secure boot process can be put in place including signed firmware, bootloader and the OS, protected by a FIPS 140-2 certified TPM and encrypted disks.

BullSequana Edge Key benefits

- **Responsiveness:** addresses IoT latency issues, with real-time response based on computation close to data sources.
- **Security and privacy:** data in motion and at rest and physical server all protected with advanced security.
- **Autonomy:** reduced dependence on Cloud and Datacenter availability and connectivity.
- **Interactivity:** enables the real-time analysis of multi-source and multi-format data.

Technical specifications

Processor

CPU	1 socket 16 cores / 32 threads
Type	Intel® Xeon® D 2187NT
Vector Extension	AVX-512 up to 1 FMA

Architecture

Chipset	System On Chip (SOC)
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Memory

Memory Slots	4
Min / max	Up to 512 GB
Type	RDIMM & LR-DIMM 2666MT/s

Embedded I/O ports

Network Interface Controller (NIC)	2 x 10Gb/s SFP+ (optional) 2 x 1Gb/s RJ45
OpenBMC Management	<ul style="list-style-type: none">• 1Gb/s RJ45• BMC WIFI adapter (optional)• RedFish support through OpenBMC
USB ports	2 x USB 3.0

Security

Security features	<ul style="list-style-type: none">• Intrusion detection switch• TPM 2.0 (FIPS 140-2, EL4+)• Secure boot (optional)• Disk encryption (optional)• Intel QAT (IPSEC acceleration)
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I/O

I/O	PCI slots: <ul style="list-style-type: none">• 2 x PCIe Gen3 16• 2x mPCI 2 SATA disks (SSD or HDD)
Accelerators (optional)	GPU <ul style="list-style-type: none">• Up to 2x NVIDIA T4 FPGA <ul style="list-style-type: none">• Up to 2x FPGA 75W• Up to 1x FPGA 150W
Radios	mPCI adapters <ul style="list-style-type: none">• WIFI dual band (2.4GHz - 5 GHz)• LoRaWAN• 3G/4G GSM

Installation options

OpenBMC Management	<ul style="list-style-type: none">• Stand alone• 19" 2U Rack mount kit (optional)• DIN rail install kit (optional)
Dimensions	430 x 290 x 86 mm (L/W/H)
Operating Temperature	5C to 45C
Power	100 - 240V 500W max
Ecosystem software	OS: Linux Microsoft Azure certified for IoT

For more information: atos.net/BullSequanaEdge

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Web Access Manager

A cornerstone of trustworthy Web accesses

By offering a coherent infrastructure that secures your Web applications, Evidian Web Access Manager makes your organization's security policy more consistent, reduces management costs and accelerates your e-business activities.

Simplify and reinforce access to your applications

With Evidian Web Access Manager, you can easily manage the security of your Web applications from a single control point. Not only does Evidian Web Access Manager reinforce security thanks to strong authentication, multi-factor authentication and fine-grained access control, but it also increases user productivity with its customization and Single Sign-On (SSO) features. Evidian Web Access Manager provides proof of Authentication and enables access to Cloud applications (Office365™, GoogleApps™, Salesforce™, ...).

SSO for Web applications and dynamic authorization

Once the user is connected to Evidian Web Access Manager, connections to multiple websites or applications are transparent. Passwords and authorizations are dynamically provided by Evidian Web Access Manager for each application. Single Sign-On eliminates the user frustration inherent to multiple logins or password changes, thus increasing user productivity.

Centralized Web access control & strong authentication

Evidian Web Access Manager protects your organization's critical Web applications, by controlling who has access to what. Thanks to an integrated reverse-proxy, it authenticates users centrally using either a single password, an integrated Windows Authentication; a token, RADIUS, X.509 certificates, a smartcard, or a soft-OTP generated and communicated to the user



via SMS, email, Grid card or QRentry™. Once identified, users have access only to those resources for which they have access rights, according to their specific profiles. Evidian Web Access Manager enables you to chain authentication policies and build your multi-level and multi-factor authentications.

Evidian QRentry™

With Evidian QRentry™, your users authenticate with a QR Code™ and their smartphone. The QRentry™ solution allows a multi-factor authentication to a Web portal based on QR Codes from a browser on private or public tablets or computers (BYOD, non-managed devices ...).

BYOD and non-managed device accesses

With Web Access Manager, multi-factor authentication and Single Sign-On are extended to non-managed devices.

This spares you from installing agents on devices and exposing application passwords outside your internal network. Furthermore, it enables PCs, tablets and smartphones to access Cloud applications using identity federation standards.

SAML-based multi-domain management

Evidian Web Access Manager allows distributed communities to interoperate and use a separate administration for different security domains. Using SAML accreditations generated in real time by the user's domain, each entity can dynamically authorize users of a trusted domain to access its services. This approach also enables to manage accesses to the SaaS providers. Users may be federated or auto-provisioned between trusted domains. It supports SAML-based multi-domain management, as well as social authentication: the keys to manage and control the access of partner or client distributed communities.

Multi-factor authentication and Web access management for the business

Customized user environment

When a user is authenticated and managed by Evidian Web Access Manager, it provides him/her with a single page interface from which he/she can navigate through the different integrated solutions. A customized navigation menu is dynamically generated to display the right Web resources for his or her profile.

This customization feature is provided as standard with Evidian Web Access Manager, or can be integrated with any third-party portal software.

Advanced access management and self-service

You can use a single console to manage access rights in your company, interfaced with LDAP directories. Users can thus benefit from the self-service feature, which includes self-registration, social authentication and registration (OAuth, OpenID Connect), password and profile management.

Quick deployment

You can publish your Web applications easier, quicker and with more reliability and thus improve your overall competitiveness. Evidian Web Access Manager can be used immediately without any additional components and without modifying your applications.

Simplified architecture

Evidian Web Access Manager does not require any modification of your existing Web services, or any plug-in on the browser side. It supports an intelligent reverse-proxy-based architecture. Not only does this architecture minimize the impact on your operating costs, but it also gives you full control of the entire extended company. You can manage a unified access to your own applications even for your external partners or service providers.

Load balancing and high availability

Evidian Web Access Manager's servers are based on efficient high-availability and loadbalancing mechanisms. As a result, they can increase their load to support several millions of users.

Integrated and centralized administration

Interfaced directly with LDAP directories, Evidian Web Access Manager supports authentication against multiple user directories, offering full, role-based access management, with secure account-sharing.

It offers extended audit and log tools that alert security managers on any risks and registers all the accesses. Every user and every administrator activity is monitored and audited.

Centralized audit & reporting

Evidian Web Access Manager can archive the alerts regarding the activity of Web Single Sign-On in a single location. This is useful when analyzing security alerts and performing audits. Moreover, when Identity & Access Manager is installed, Evidian Web Access Manager's audit events are archived alongside identity and policy management alerts. This enhances analysis and audit features.

Ensure that your information system is compliant with laws and regulations such as Sarbanes-Oxley, decrees on medical confidentiality, PCI DSS or laws on financial integrity. It will help you comply with your legal and regulatory requirements. You can monitor your user's attempts to access applications; enabling you to demonstrate that your access policy fulfills its objectives. Identity & Access manager embeds a reporting module allowing dashboard generation on key indicators. Reports can be uploaded to authorized users.

Integration with Evidian's I&AM Solutions

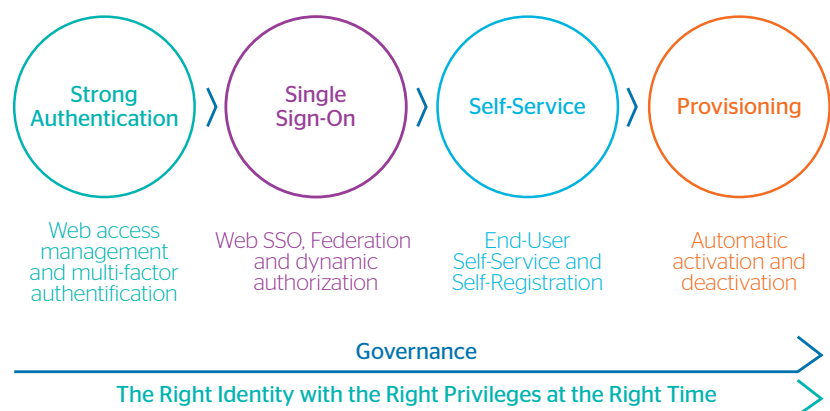
Evidian Web Access Manager is part of Evidian's Identity and Access Management solution.

- With provisioning, you stop distributing passwords to users. Application accounts are automatically synchronized with WAM
- Policy management enables you to determine the actual accounts usage; you can eliminate dormant and obsolete accounts
- Evidian Identity & Access Manager allows authorization governance and a full lifecycle management of identities and access to services, driven by a security policy combined with approval workflows.

A prerequisite for GDPR*

Identity and Access Management is one element among a range of technical counter-measures to mitigate risks related to data protection. In addition to its access control, strong authentication and identity governance, Evidian Suite takes into account the requirements for Users' Rights in all its products' roadmaps. Notifications, dedicated personal data reports and self-service functionalities allow users to exercise their rights freely and enable GDPR compliant processes.

* General Data Protection Regulation



Get work done... collaborate everywhere

Invent and create. Share ideas and discuss next steps. Canvas opinion. Ask colleagues to drop in. Call a customer. Schedule a follow-up. Make decisions. Share minutes. Collaborate in the cloud.

Make your teamwork better with Circuit

Collaboration anywhere

Circuit provides easy-to-use, powerful team collaboration capabilities whether as standalone solution or in combination with your existing communication platforms and business apps.

Take a call

Circuit can interoperate with existing SIP telephony infrastructure with users able to place and receive calls through our telephony connectors.

One tool with one view

Circuit is a single app. One virtual meeting space with all the capabilities you need to communicate with your teams.

Use any device

Enjoy the same experience from any device. Access your conversations, communities, and documents online wherever you are.

Create a conference room

Turn any space into an instant HD video conferencing room with the powerful, easy-to-use Circuit Meeting Room solution.

Streamline your workflows

Integrate your workflow and business applications through the Circuit SDKs and APIs.

Natural user experience

Whether audio, video, screen-share or messaging, Circuit's simplicity lets you collaborate as naturally when you're apart as when you're together.

Powerful and contextual search

With Circuit, all content is easy to find. Search and filter by word, label, files or people and get the results you need in seconds.

Stay in control

Prevent potential leakage of sensitive data through shadow IT and stop paying for audio and video conference calls.

Social collaboration

Create online communities and promote cooperation, interaction, opinion and idea sharing across your business.

Circuit is your digital workplace in the cloud.



circuit
by unify

Designed for the way your teams want to work today.

Have a great idea and want to share it in real-time?

Sketch out your idea, share your screen, discuss solutions, make decisions, share and store them in the conversation. All in Circuit.

Have a problem that needs a team response?

See who's online and invite them to an instant conference. Need external experts? They can join too. No plugins required.

On a conference and should be catching a train?

Swipe the Circuit call seamlessly to your mobile device. Pull it back to your laptop when you're at your desk, or get to where you're going.

Need files and data from elsewhere?

Leverage your existing Box, Google Drive, One Drive and Syncplicity services through our native extensions and integrate with business and productivity apps with the Circuit SDK.

Want to be social without the security risk?

Share, download, chat and invite others into the conversation. Circuit is a 'company-run' social sharing app that's built for business.

Missed a meeting and need to catch up?

Recordings incorporate audio, video and screen-sharing - download the documents and see everyone's comments. Don't miss a thing with Circuit.

Whether using your laptop, mobile devices or smartwatches

Circuit is your digital workspace in the cloud

For the first time, everything's in one place: audio calls, video conferences, messaging, screen and file sharing. No flicking between apps or remembering multiple passwords. Everything's shareable, downloadable and auditable. Implementation is lightning quick and integration delightfully simple. And with low-cost per-user packages, Circuit gives you the operational and financial flexibility your business needs.

Integrated into your future

Integrate your web-based processes with Circuit to add a whole new level of collaboration and communication. Add extensions to make Circuit your gateway to hundreds of business apps. Or go further. Integrate Circuit with your IoT supply chain, logistics or stock management systems.



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