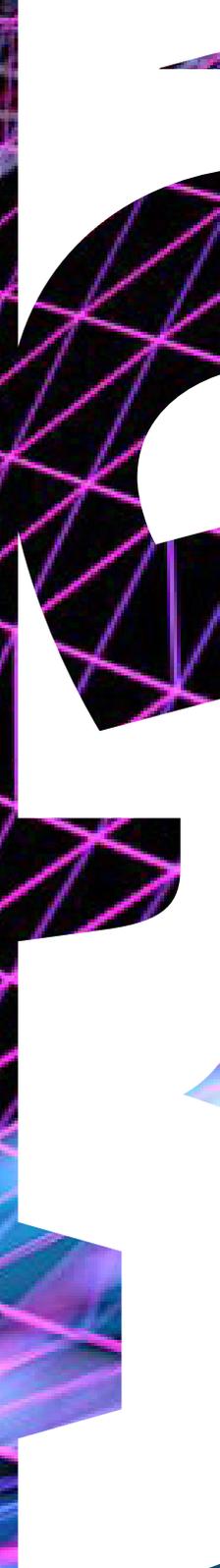


**INGRAM** MICRO<sup>®</sup>

**E** Extreme<sup>®</sup>  
networks

Transform  
into an infinite  
enterprise





## Connecting enterprises to those who matter most

We recognize that your organization is forever changed by the pandemic, making network limitations critically apparent. In order to succeed you must embrace the rapidly evolving environment and optimize your network to reach users wherever they are, ensuring business continuity and accelerating your capabilities when it matters most.

**Welcome to a world where there are no limits.**



# Contents

Applications	<b>4</b>
Cloud-Managed Networking	<b>12</b>
Routing	<b>16</b>
WAN Edge Solutions	<b>20</b>
Service Provider	<b>22</b>
Switching	<b>25</b>
Wireless	<b>31</b>
Get in touch	<b>35</b>



# Applications

Advance your business and IT goals with ExtremeApplications



ExtremeApplications

# WORLDWIDE



# ExtremeCloud™ IQ

Advance your network management, visibility and automation. Streamline wired and wireless network operations and unlock new IT and business insights powered by machine learning.

## Unified Wired and Wireless Orchestration

ExtremeCloud IQ Controller delivers simplified management, tightly integrated services and all the enterprise features required for an on-premise solution. Complemented with simplified licensing and also available as a virtual machine (VM) for customers preferring this capability.

[Learn more](#)



High-performance,  
enterprise-class  
WLAN appliances



Scalable to over  
10,000 managed  
devices per wireless  
appliance



High-availability  
architecture for  
real-time voice/video/  
data applications



Hosts  
ExtremeDefender  
for IoT to simply and  
securely on-board  
IoT devices

# ExtremeCloud™ IQ Site Engine

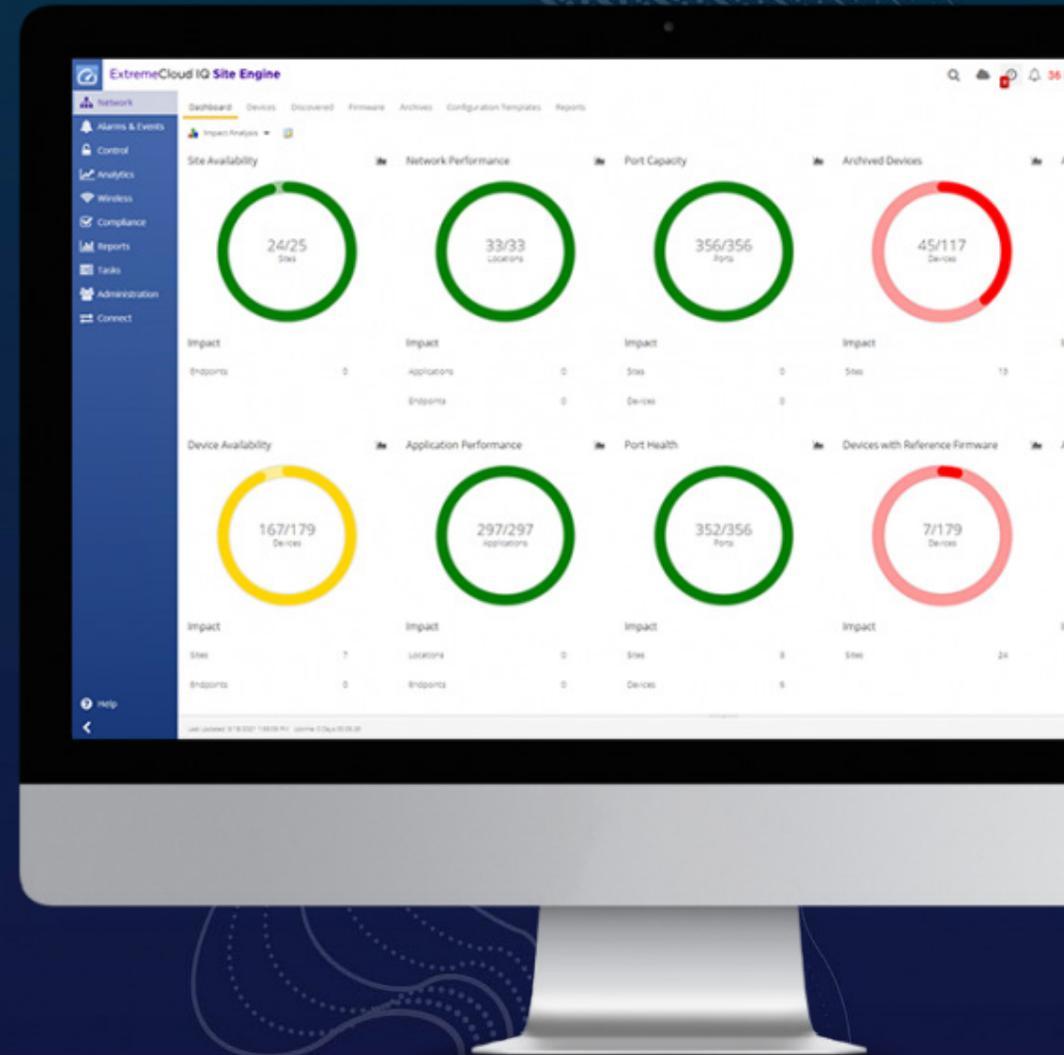
Streamline your network operations from the edge to the data center.

Extend ExtremeCloud IQ management to third party and non-cloud native devices and add the flexibility to manage your network in the cloud or on-premises.

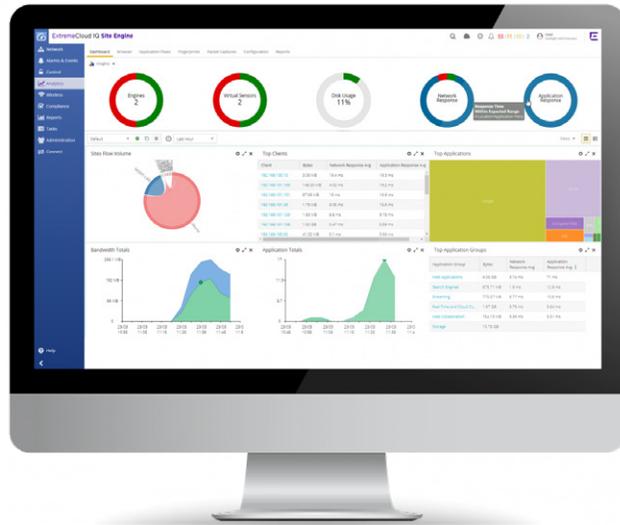
## ExtremeCloud IQ Site Engine supports your organization's:

- End-to End Network Management
- Secured Cloud Networking Infrastructure
- Analytics-Driven Decisioning
- Network Automation with Workflows
- Ecosystem Integration
- Digital Transformation
- Agility and Scalability

Contact sales



## Optimize your user experience and unlock new IT and business insights and intelligence



### ExtremeAnalytics for ExtremeCloud IQ – Site Engine

A network powered application analytics and optimization solution that extends visibility to cloud-native, non-cloud native and third-party devices.

[Learn more](#)



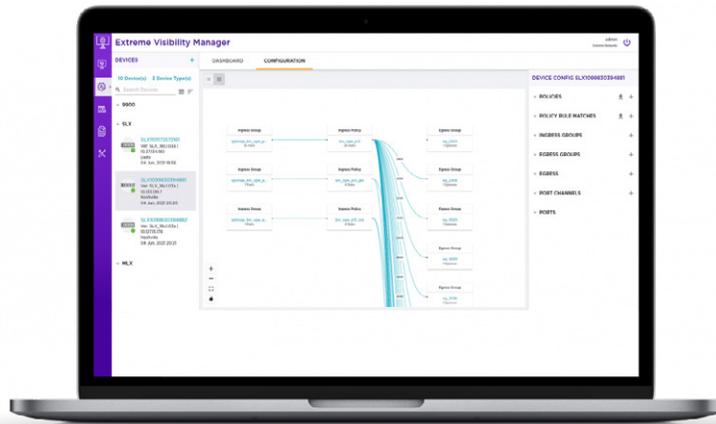
### ExtremeLocation

Engage your customers with scalable, multi-tier indoor location services.

[Learn more](#)



## Optimize your user experience and unlock new IT and business insights and intelligence



### Extreme Visibility Manager

Manage all visibility products in one place.

[Learn more](#)

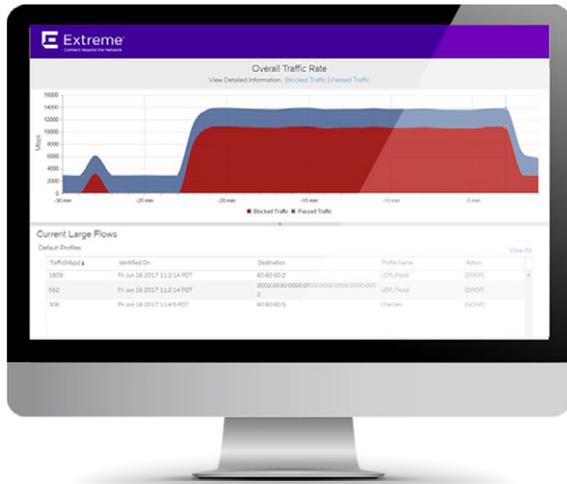


### Extreme 9920

Intelligent carrier-grade network visibility platform.

[Learn more](#)

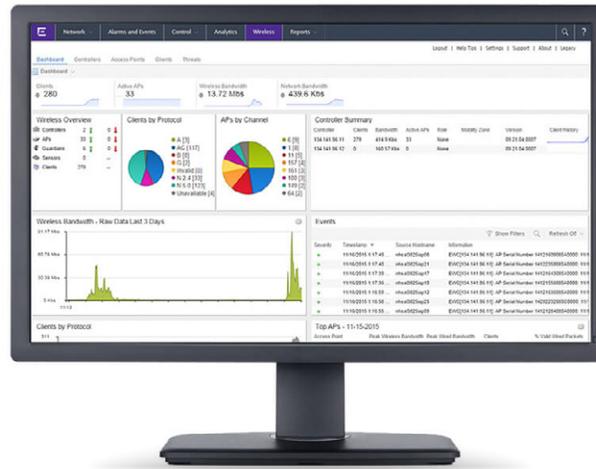
# Optimize your user experience and unlock new IT and business insights and intelligence



## Session Director

Session and traffic optimization for monitoring and analytics tools.

[Learn more](#)



## Virtual Packet Broker and Virtual TAP

Scalable network visibility and monitoring for virtual networks.

[Learn more](#)

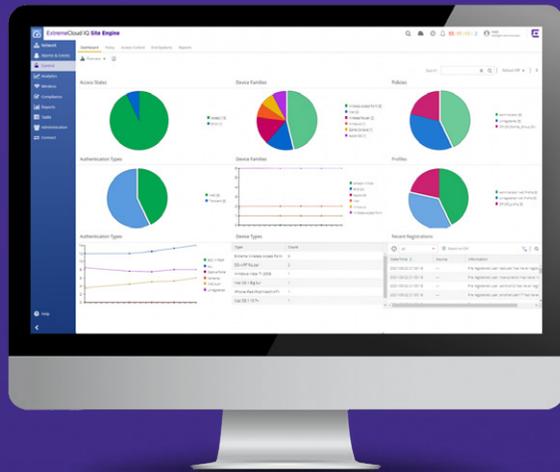


## Network Packet Broker

Carrier-grade network visibility nodes.

[Learn more](#)

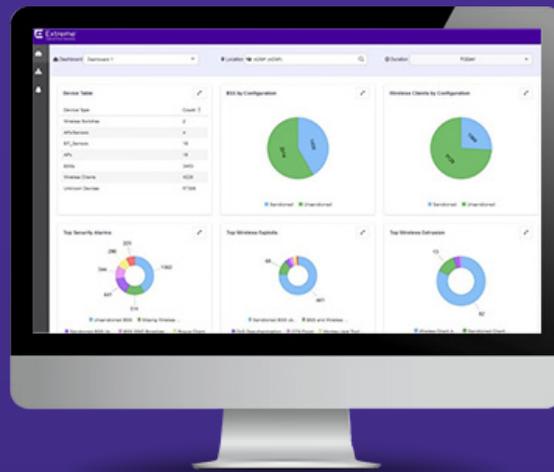
# Advanced 360° client, device, and wired and wireless network security



## ExtremeControl for ExtremeCloud IQ – Site Engine

Granular Policy Control from the Edge to the Datacenter into Multicloud supporting cloud-native, non-cloud native and third-party devices.

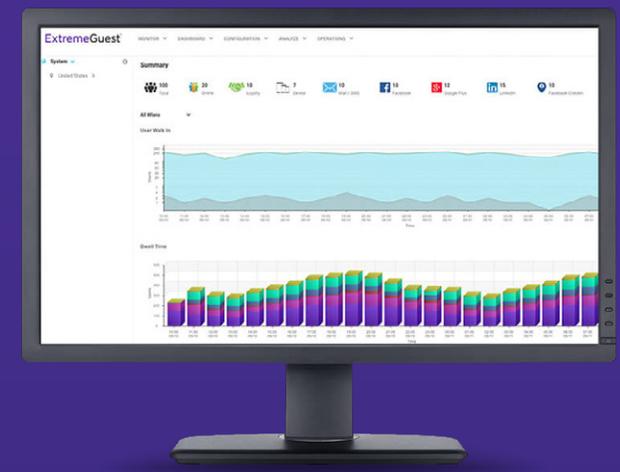
[Learn more](#)



## Extreme AirDefense

Comprehensive wireless intrusion prevention system.

[Learn more](#)

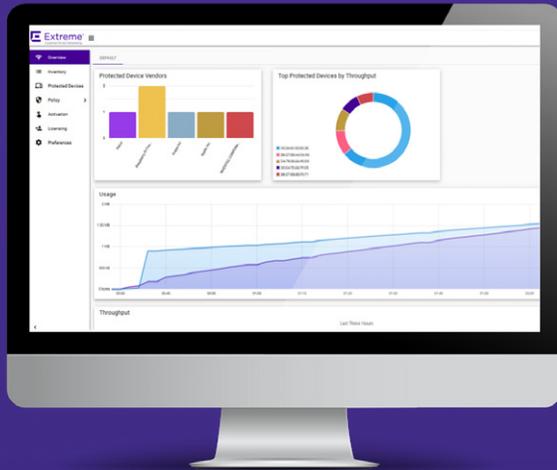


## ExtremeGuest

A robust and comprehensive guest engagement solution.

[Learn more](#)

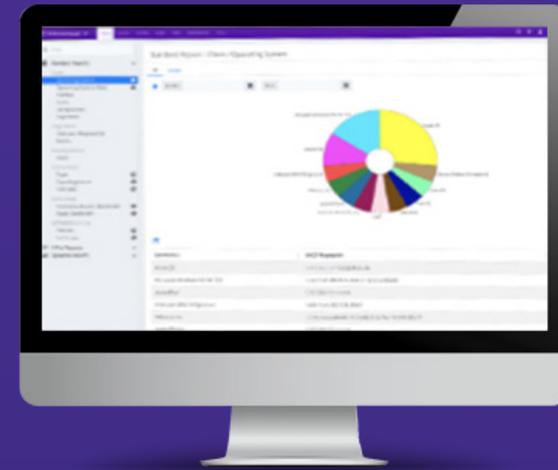
## Advanced 360° client, device, and wired and wireless network security



### Extreme Defender for IoT

Secure connections for IoT devices that lack embedded security.

[Learn more](#)



### ExtremeCloud A3

Cloud-managed network access control (NAC).

[Learn more](#)



# Cloud-Managed Networking

Simplify network management, achieve scale over expansive resources and manage them all from a single screen, anywhere on any device.

# ExtremeCloud™ IQ

Your network. Your way. Unified network management of access points, switches, and routers. [Delivering the end-to-end visibility and efficiencies](#) required for today's ever-evolving, distributed network.

## Try Cloud Managed Networking

Experience the simplicity of managing complex networks with this self-guided demo. Using ExtremeCloud IQ, monitor, troubleshoot, onboard and support advanced applications on a simulated network at your own pace. See how easy it can be.

[Try a demo](#)



### Easy to use

A single pane of glass for all your network management needs.



### Distributed

Manage your network anytime, from anywhere, across an unlimited number of distributed environments.



### At scale

Manage thousands of infrastructure devices from a single cloud instance along with unlimited data capabilities.



## Combine the Power of Cloud with Universal Platforms

Extreme's Universal Platforms combine the power of cloud management with next-generation switches and access points that can support multiple deployment use cases through a simple change of the software or feature set.

Universal Platforms increase flexibility and reduce hardware obsolescence by allowing customers to gradually adopt new technologies or change their desired use case by changing the software or feature set and/or management system, while preserving the hardware and even the associated licenses.

[Learn more](#)

## Cloud Managed Networking for Extreme's Wired/Wireless Portfolio

Extreme's Cloud Managed Network solutions also provide visibility and oversight of Extreme's traditional wired switching and wireless portfolios with services that include:

- Device Monitoring and Diagnostics that offer port-level views, client information, alarms, SSH and more.
- Health Dashboards with device displays that let you make the right decision using real-time or historical data.
- Intuitive configuration with management tools that help simplify set-up and optimize hardware performance.

[Learn more](#)



## Extreme Networks Services

Our 100% in-house, 7/24/365 team of global IT experts provide guidance to optimize your IT environment and address network challenges.

[Learn more](#)



# Routing

Effortless routing for high-performance connectivity.

W O R L D A S

# Simplified and secure routing

## Key Features of ExtremeRouting

Experience the simplicity of managing complex networks with this self-guided demo. Using ExtremeCloud IQ, monitor, troubleshoot, onboard and support advanced applications on a simulated network at your own pace.

**See how easy it can be.**



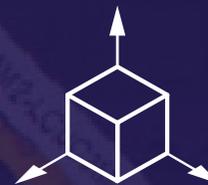
### Secure

Through a combination of strong encryption, highly secure authentication and segmentation we help protect your network from the threat of cyber-attacks and breaches.



### Cloud-driven

Combine industry-leading branch to core routers with fourth-generation cloud management to streamline and simplify every aspect of the network operations.



### Flexible

Pay as you grow with ports on-demand, and capacity on-demand licensing combined with strong network security with BGP FlowSpec and advanced ACLs for CPU and data plane protection.

## Internet-Scale Routing

Extreme Routers deliver carrier-class, advanced features that leverage industry leading Extreme Routing code to support MPLS, Carrier Ethernet and VXLAN overlay technology to support full Internet routing tables with protocols such as BGP, OSPF, MPLS and IS-IS.

## Cloud Managed SD-WAN

End-to-end QoS, application-aware traffic shaping and performance optimization with features such as real-time dynamic path selection, based on connection and performance and availability.

## Strong Network Security

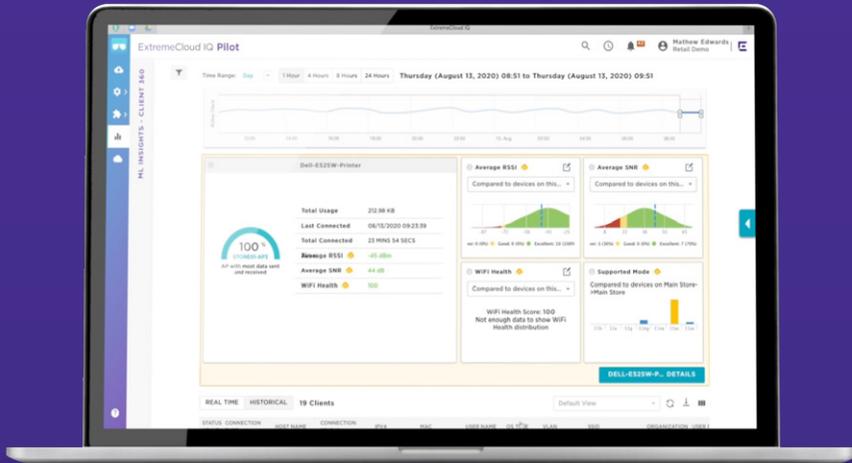
With a combination of secure authentication, strong encryption, and segmentation ensure that applications, data and users are protected from the Branch to the Cloud.

## Integrated Application Hosting

Leverage onboard VM-based applications alongside the operating system – all without impacting performance. Provides network insight through on-board analytics applications and even enable new network applications without the need for a separate hardware device.



# Manage your routers, your way



## ExtremeCloud™ IQ

Enterprise Cloud Management. Networking automation, insight, and assurance at scale.

[Learn more](#)



## ExtremeCloud IQ – Site Engine

Extend Cloud Management to third party and non-cloud native devices.

[Learn more](#)

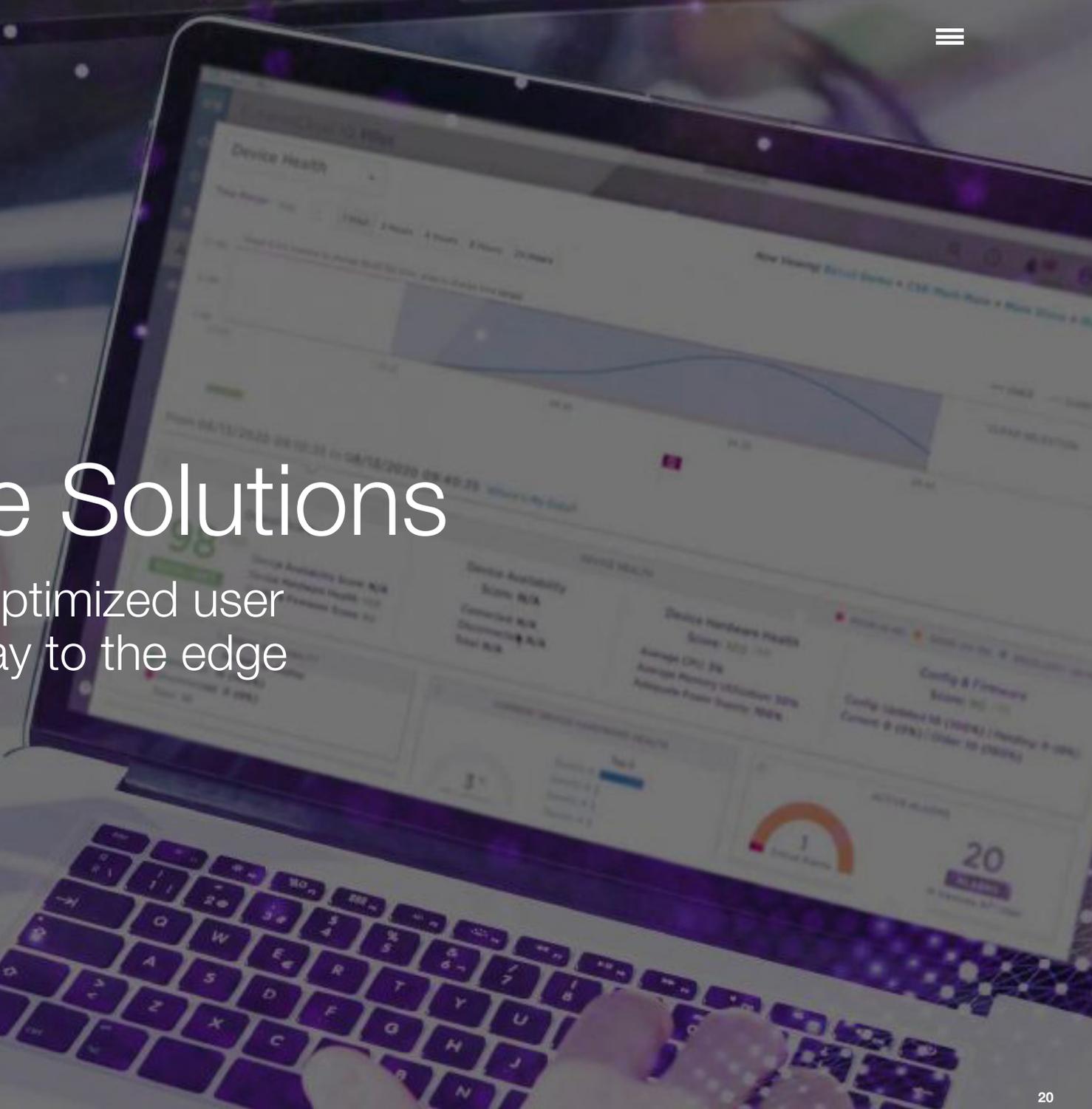
**Have a question?** We're always ready to help.

[Ask an expert](#)



# WAN Edge Solutions

Bring a consistent, optimized user experience all the way to the edge



*“ExtremeCloud SD-WAN has given us confidence of what we are in control of with our network performance. As we evolve our digital service, it offers a solid foundation to better plan our future network requirements.”*

Claudio Libera, Network Engineer, Banca Popolare di Sondrio

### What is the WAN Edge?

The infinite enterprise needs a more flexible and automated way to streamline connections to branches and provide direct access to main cloud providers. This is where investing in an intelligent WAN edge becomes vital. Let’s take a closer look at what edge technology can do for you.

### Put the Power Back in Your Hands with SD-WAN

The reality is, the network connections you must secure are continuing to increase, the number of applications you must support are continuing to grow, and the different devices that access your network are continuing to multiply. ExtremeCloud SD-WAN is how you bring simplicity, cost savings, and control back to your enterprise network.

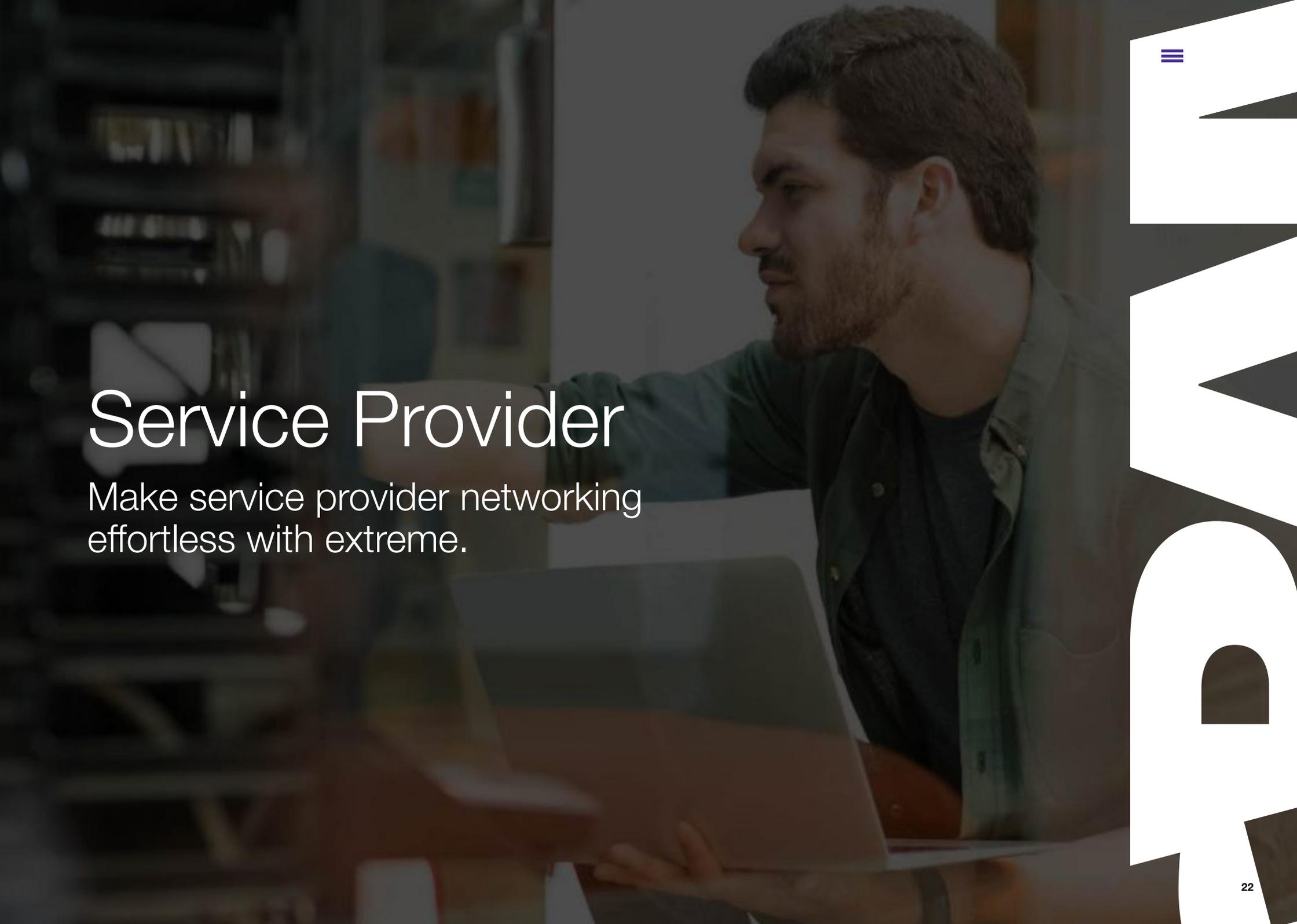
[Learn more](#)



### TCO Calculator

Want to get the best total cost of ownership (TCO) in the market for your SD-WAN solution? Crunch the numbers with our personalized TCO Calculator.

[Estimate now](#)

A man with a beard, wearing a green button-down shirt over a dark t-shirt, is looking at a laptop. He is in a server room, with server racks visible in the background. The image is dimly lit and has a dark overlay.

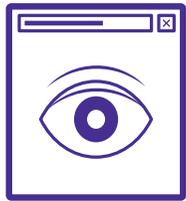
# Service Provider

Make service provider networking  
effortless with extreme.



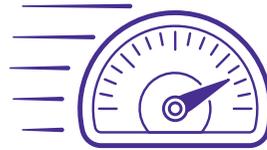
# Advance your service provider networks with us

Extreme's Service Provider solutions enhance user experience while simplifying overall operations.



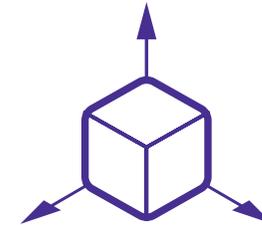
## Visibility

At all network layers and across all places, visibility becomes the source for turning data into actionable information enabling remediation.



## Composability

Speed and agility require an on demand, composable infrastructure supporting traditional and cloud native solutions.



## Scalability

Automate workload service delivery in real time with a scalable network supporting the increasing circumference of the data center.



## Network Visibility

The expectation of greater and more flexible visibility into data on the network is driving distributed data visibility solutions. Service Providers need to have the value of a cloud native experience with the reliability of carrier-grade platforms for their automation and visibility.

[Learn more](#)

## Scalable Border Routing

Adaptable internet-scale peering and routing solutions with massive route scale, port type and density for Data Center Operators and Service Providers.

[Learn more](#)

## Automated IP Fabric

Best-in-class routing, switching and scalable performance with a programmable, automated and open IP Fabric.

[Learn more](#)

## Transport Services

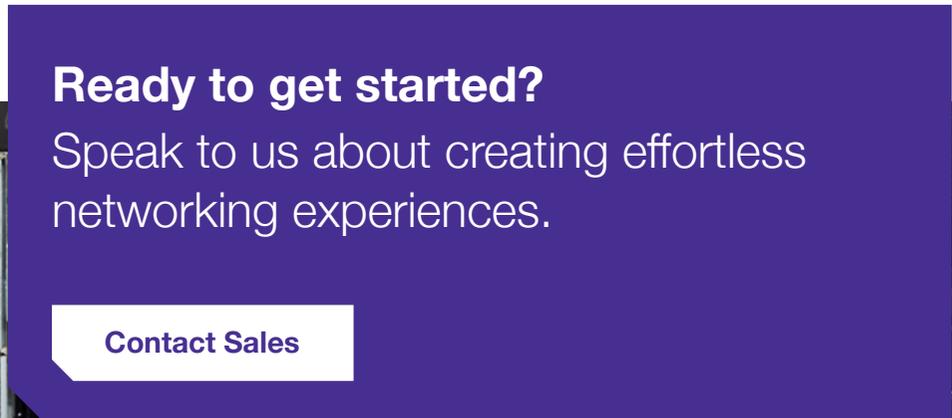
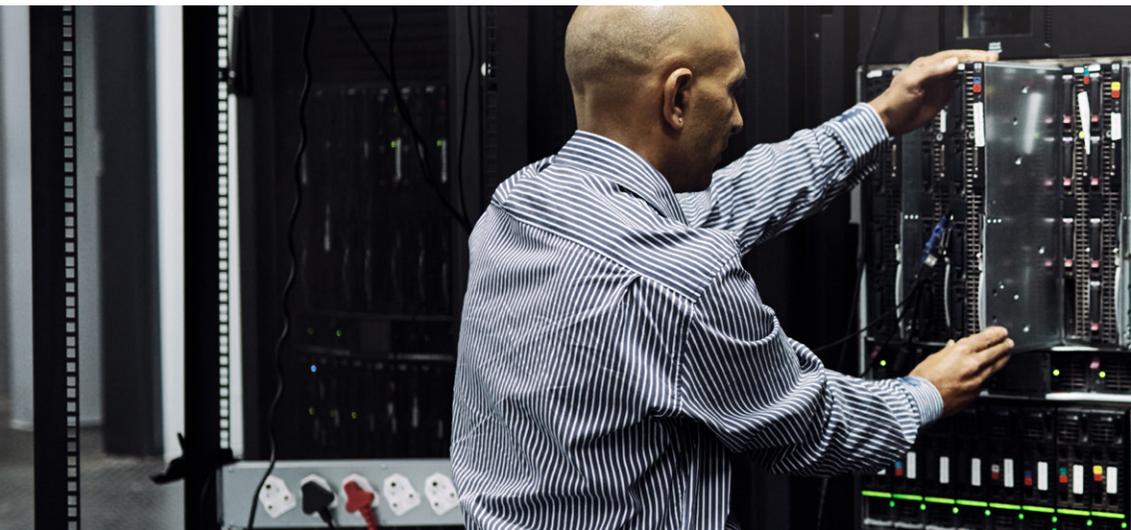
Service Providers need a composable service creation and delivery with high performance carrier grade routing for metro aggregation, layer 2 Internet Exchanges and layer 3 backbone traffic.

[Learn more](#)

## Ready to get started?

Speak to us about creating effortless networking experiences.

[Contact Sales](#)





# Switching



# Make every connection effortless with ExtremeSwitching



## Secure

Through a combination of role-based policies, secure link encryption, and hyper-segmentation, we help protect your network from the threat of cyber-attacks and breaches.



## Cloud-driven

Combine industry-leading edge to core switches with powerful cloud management to streamline and simplify every aspect of network operations from deployment to support.



## Automation

Do more with less with a fabric network that self-forms and self-provisions as well as enables the dynamic provisioning of network services as users and devices connect to the network.



## Key capabilities of ExtremeSwitching

### **Fabric-Enabled**

Whether you are transforming your campus, data center, metro, or WAN, our fabric technologies ensure a faster, more flexible, and more secure foundation for your business.

### **Dynamic Role-Based Policies**

Extreme Switches support a common highly-scalable policy mechanism across wired and wireless devices. These policies are centrally defined but locally enforced at the switch, travelling with the user, device, and application as they move through the network.

### **Application Hosting**

Extreme Switches can run onboard applications helping to provide network insight through on-board analytics applications enabling new network applications without the need for a separate hardware device.

### **Rich Analytics/ AI/ML-Driven Insights**

With on-going integration into ExtremeCloud IQ, powerful AI/ML-based insights offer the ability to fine-tuning the network, before issues become service impacting.

### **Secure Link Encryption**

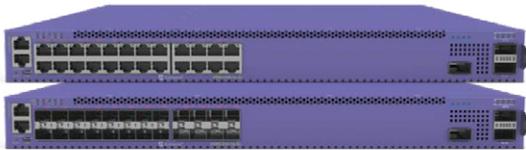
Extreme switches help secure your traffic with support for IEEE 802.1AE MACsec across our various switch platforms.

### **Universal Platforms**

Avoid technology lock in and evolve to new deployment models by simply changing the software while reusing your existing hardware.



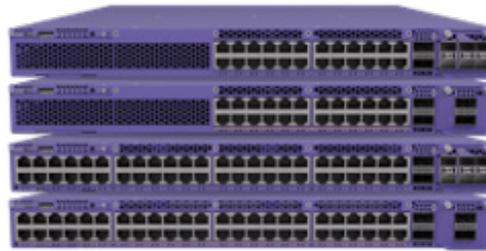
# ExtremeSwitching products



## X590 Series

High-density, purpose-built 10Gb/100Gb switches ideal for aggregation and/or edge leaf applications.

[Data sheet](#)



## 5720 Series

High-density, high-scale multi-gigabit universal switch platform for edge and aggregation deployments.

[Data sheet](#)



## 5320 Series

Universal edge switch platform offering a choice of Extreme flagship switch operating systems.

[Data sheet](#)

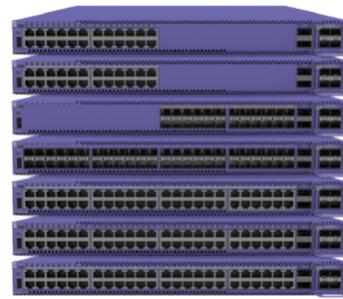
# ExtremeSwitching products



## 5420 Series

Universal edge switch platform for flexible deployment across a range of edge and wiring closet environments.

[Data sheet](#)



## 5520 Series

Universal edge/aggregation switch platform offering a choice of Extreme flagship switch operating systems.

[Data sheet](#)



## X435

Entry-level switches for distributed enterprises, branches, and small sites.

[Data sheet](#)

Unsure **which ExtremeSwitching product** is right for your needs?

Help me choose



# Wireless

# Extreme Wireless Access Points with Cloud-Driven Wi-Fi 6



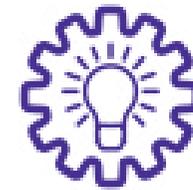
## Leading WI-FI 6

High efficiency, high-capacity Wi-Fi that utilizes the latest technologies to optimize and protect bandwidth in all environments



## Cloud-driven

Combine the leading Wi-Fi hardware with next-generation Extreme cloud management to simplify every aspect of IT operations from deployment to support.



## Machine Learning

Make the network work for you instead of the other way around with self-driving Wi-Fi powered by millions of actionable insights to continually adapt and adjust performance.

# Increase performance, increase security with ExtremeWireless

## High Speed & Efficiency

With the latest Wi-Fi technologies including OFDMA, MU-MIMO, and software-defined dual 5 GHz radios, our access points deliver uncompromising performance in the most demanding environments.

## Visibility And Control

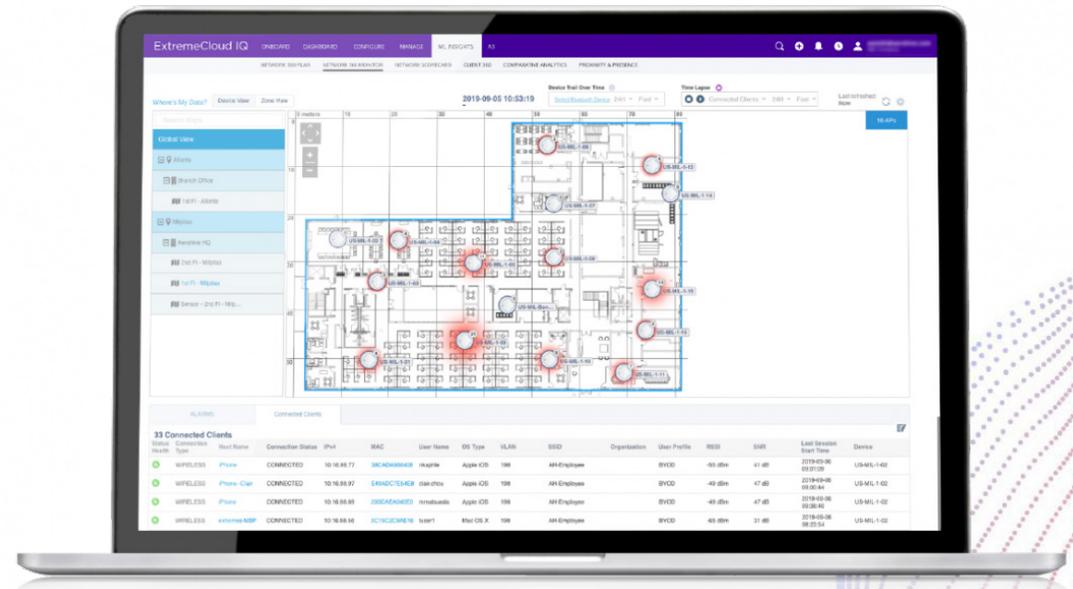
Combined with industry leading network management, our access points capture meaningful performance and security insights about associated clients to assist administrators in both optimizing and protecting their network and organization.

## Context-Based Optimization

Extreme Access Points identify associated users, devices, and applications, applying contextualized network policies to prioritize, restrict, or limit network performance at an individual or group level to ensure your high-capacity network is maximized.

## Secure access for all

Secure corporate, guest, BYOD, and IoT devices to enterprise levels with a range of authentication options and granular network policies that can be applied globally or customized for local access.



# Wi-Fi 6: The NOW of Networking

With the broadest family of next-generation cloud-managed Wi-Fi access points, Extreme Networks is helping customers accelerate in every environment.

All access points





## Get in touch

Since 1996, Extreme has been pushing the boundaries of networking technology, driven by a vision of making it simpler and faster as well as more agile and secure. But our higher purpose has always been helping our customers connect beyond the network... strengthening their relationships with those they serve. Today, we call that Customer-Driven Networking.

### **Want to discover more about our cloud-driven networking solutions and products?**

Whether you are looking for a quote, demo, or planning advice for upgrading a wired and wireless network experience, get in touch to see how we can help.

Are you ready to advance with us?

[Get in touch](#)

