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daisy.



Extreme  
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# CLOUD NETWORKING AND THE 21ST CENTURY MANUFACTURER





# EXTREME CONNECTIVITY FOR A TRANSFORMING SECTOR

The manufacturing landscape is undergoing dramatic change. Recent events have created a new set of challenges for any business that manages and supplies resources across several sites.

Volatile markets, along with the need to staff, maintain and digitise a dispersed network, are piling additional pressure on manufacturing leaders - a group that's already juggling complex requirements from innovation and cost optimisation to agility, efficiency and resilience. As a result, many of these businesses find their existing on-premise

infrastructure no longer meets the demands of an increasingly competitive sector.

**THE ANSWER?** Transitioning away from legacy platforms to a cloud-based alternative. Post-pandemic and a barrage of other unpredictable forces, digital transformation is no longer a nice-to-have.





# WHY CLOUD?

Realistically, it's hard to think of any other solution that can equip your IT to handle the escalating needs of today's manufacturing environment.

As the sector grows ever more connected, diverse and diffused, the scale and complexity of its networks become harder to manage and secure. With 4th generation cloud networking, however, manufacturers now have a way to deploy and control the most intricate and sophisticated infrastructures.

4th generation networks have evolved to capitalise on artificial intelligence (AI), machine learning (ML) and analytics to improve performance, security and availability.

In essence, cloud networking allows you to build and manage networks online using cloud-based infrastructure. Core functions like connectivity, security and control are transferred to the cloud and delivered as a service.



# CLOUD NETWORKING: FOUR TRANSFORMATIVE BENEFITS

Cloud-enabled networks help your manufacturing operations flourish in many ways. **Here are some of the most important.**

# 1

## Improved uptime

Downtime is one of the costliest events in manufacturing. Cloud technology maximises connectivity and operational uptime across all devices, users and dynamic environments, including the Internet of Things (IoT). This has a massive impact on your resilience and agility.

# 2

## Total control and visibility

With centralised, cloud-enabled management of all wired and wireless networks, you'll be able to monitor and optimise your entire production facility across all locations, while troubleshooting effortlessly.

# 3

## Real-time analytics

Cloud networking harnesses the power of AI and ML to provide actionable insights on your applications, devices and user activity. Use it to measure performance, identify issues and automate key responses.

# 4

## Security and control

Reinforce end-to-end security across multiple devices and network environments, with intuitive access control, industry-leading wireless and intrusion protection that also covers legacy devices.



# EIGHT MANUFACTURING CHALLENGES...



## Shaping a post-COVID future

Financial uncertainty, operational unpredictability and threats to employee safety have soared for manufacturers worldwide.



## Getting the most from machine intelligence

Smart machines and systems can transform your operations, but how well are you aggregating and analysing the data they generate?



## Managing outdated systems

Legacy technology can hinder day-to-day operations and make your business more vulnerable. But it's not always easy to replace.



## Boosting cybersecurity

With digitisation across multiple plants and operations, manufacturers face an ever-growing cyber threat.



## Bridging the skilled labour gap

Many manufacturers struggle to attract and retain workers with vital technical skills, especially in complex IT.



## Maximising automation

Automation is vital for lowering costs and boosting factory efficiency and helping to maintain staff distancing.



## Flexing capacity to meet demand

Constantly adapting your production resources to meet new customer, operational and digital demands can eat up time and budget.



## Increasing supply-chain visibility

The drive for end-to-end efficiency and transparency means manufacturers need granular, real-time visibility.



# ...AND EIGHT CLOUD-BASED SOLUTIONS

Cloud networking optimises efficiency and security at every point of the manufacturing process, from day-to-day operations right through to the design, fabrication and use of your products.



Increased **agility and scalability** helps you deal with an unpredictable manufacturing environment.



Cloud networking **eases pressure on your IT resource**, so skills shortages have less impact.



Cloud's ability to **collate and analyse system-wide data** maximises the power of AI and ML to fine-tune operational and product quality.



Cloud's **support for automation** helps you cut costs, boost efficiency, manage physical distancing and more.



**Replace (or safely incorporate) outdated systems and devices**, so they don't compromise your progress or security.



Easily **"scale up" your infrastructure** to support new manufacturing and distribution capacity.



In-built, **end-to-end security tools** give you the edge in a dynamic, digitally connected sector.



Offer clients total transparency with a **fully integrated network** and real-time, **granular reporting**.



# THERE'S CLOUD, AND THERE'S EXTREMECLOUD™ IQ

Created by **Extreme Networks**. Delivered by **Daisy**.

**ExtremeCloud™ IQ** is the leading end-to-end cloud management solution for wired and wireless networks. Leveraging 4th generation cloud architecture, it can be deployed across any infrastructure arrangement, whether via public cloud, private cloud or even on-premise, giving even the most sophisticated global manufacturer scope to raise their game.

## More flexible

A network that fits your immediate needs while scaling seamlessly to meet the future.

## More agile

New features and capabilities are deployed continuously and at speed. This means that the network can rapidly adapt to the dynamic nature of your business.

## More secure

ISO 27001, ISO 27017 and ISO 27701 certified protection for your infrastructure, data and reputation, as well as Cloud Security Alliance (CSA) Security Trust Assurance and Risk (STAR) [Level 1 and 2](#) attestation.

## More cost-efficient

Switching to cloud networking can reduce the cost of deploying and operating a network.



# YOUR FIRST STEPS TO AN EFFORTLESS MIGRATION

Making the transition to cloud networking is vital for any manufacturer looking to compete and thrive. The less you delay, the quicker (and greater) the results.

As an Extreme Networks Ultimate Master Partner, Daisy is ideally placed to help you connect, optimise and unleash the collective power of your different environments, from warehouses and distribution centres to production facilities, office spaces, home workers and beyond.



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