

# Digital Ready Networks

Build a network that is simple,  
automated, intelligent, and secure.



## New challenges demand a new network



### Simple

Deploy innovation in  
minutes, not months



Meet the challenges facing  
your organisation

Pages 2-3

### Secure

Wireless and Mobility



Lower risk of attacks with an  
intelligent network

Pages 4-5

### Scalable

Network Switches



Reduce costs  
and complexity

Pages 6-7

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Insight 

# Move to a Digitally Optimised Network

## Increase innovation and reduce costs

The world of IT in organisations is changing at a rapid pace, and sometimes it feels impossible to determine what you can do within your infrastructure to take advantage of the latest trends, and give your organisation an operational edge.

However, there is one area of your estate that all of the above depend upon more than any other, in order to deliver the most positive outcomes to your day-to-day business transformation - The Network.

People and processes are becoming ever more reliant on a secure, reliable and fast network - both wired and wireless, in order to cope with the demands of the modern workplace, mobile working and an ever increasing number of devices trying to deliver rich content like voice and video.

Don't get left behind by the competition. Begin your digital networking journey with Cisco today.

Digitisation... The Internet of Things... Cloud... Big Data...



“Since implementing our Cisco network and applications, the whole dynamic of the company has changed. People are working in different ways. Things are being done faster and on time. It’s been an absolute transformation.”

Kristian Elmore ICT Director, Robert Heath Heating



## 5 steps to an effective digital workplace

Whatever your business size you need your network to deliver an exceptional experience for every employee. It's the secret to being at your most productive, innovative and successful. Cisco helps businesses of all sizes build a network that enables everyone to work smarter, and to innovate.

### 1 Ensure productivity everywhere.



With a Cisco network you have the confidence that the right people have the right access to the devices, applications and information they need, when they need it. It means your teams are connected, secure and productive. So they aren't slowed down and have time to focus on innovation.

### 2 Keep everyone and everything connected.



We make it easy with our high-performance, reliable and affordable Cisco switches, routers and wireless products. Solutions that fit together, meet your current and future needs, and won't let you down.

### 3 Provide mobility as standard.



Today everyone expects the same level of flexibility, availability and service at work that they get with their personal devices. With Cisco Wi-Fi you get enterprise level quality and reliability that are simple to install and manage. At prices to fit your budget.

### 4 Bake-in security at every level.



To help you have the best possible security, we build it into the network. Helping you to better detect threats, reduce risk and minimise the impact of attacks if they happen. And so you don't need to simply rely on a perimeter firewall.

### 5 Be prepared for the future.



With the pace of digital change, you need the right network in place to be competitive and keep ahead. And innovate. We can help you build a network to operate more efficiently, grow revenue and improve your business results.

## 5 reasons to catch 802.11ac Wave 2



### 1 Everything is going mobile. Including your workers.



Today's workforce is on the go, and they need access from anywhere, on any device. With Cisco® 802.11ac Wave 2 Access Points, you can deliver reliable wireless to support a range of applications.

### 2 A small change won't cut it.



To support the increasing number of devices and requirements of applications, you need a big leap forward in bandwidth.

*802.11ac Wave 2 provides a significance boost in performance when compared to 802.11ac Wave 1 and 802.11n.1*

### 3 The rise in devices calls for multiuser functionality.



Your wireless network needs to support all that traffic. 802.11ac Wave 2 multiuser multiple-input, multiple-output serves multiple clients simultaneously so you can more effectively support today's highest-performing mobile devices.

*Wireless traffic is expected to triple in the next three years and exceed wired traffic by 21%*

### 4 More mobility means coverage is needed everywhere.



Deliver increased scale and coverage with 802.11ac Wave 2.

### 5 The future of high-speed networking is waiting.



Get your network ready for the latest Wi-Fi standard - 802.11ac Wave 2 - with Cisco solutions. Cisco Aironet® Series Access Points provide a broad range of uses for wireless access from small to enterprise-level deployments. And for infrastructure, Catalyst® Multigigabit technology delivers speeds beyond 1 Gb on existing Category 5e cables and provides cost savings for customers migrating. It also supports Power over Ethernet (PoE), PoE+, and Cisco Universal Power over Ethernet (UPOE), so you don't even have to install new electrical circuits to power access points.

## 5 ways to simplify your network

Regardless of your business size network complexity makes it harder for your network to grow, wastes time and expends resources. You need to simplify. At the same time, your network must evolve with your business needs if you want to be at your most competitive. Instead of compounding complexity and multiplying manual updates, your network needs to foster innovation. We can help businesses of all sizes simplify your network and make it possible.

### 1 Easy management.



With Cisco, it is easy to manage your network. For example, use our FindIT discovery tool to monitor and manage all devices on your network from a simple dashboard.

### 2 Faster deployment.



Your network needs to continually evolve and grow to keep pace with your business. We offer you a range of plug-and-play and cloud-managed solutions, so that you don't have to waste time on manual set-up and configuration. And you can focus on innovating instead.

### 3 Be confident of reliability.



Cisco products of all shapes and sizes are all tested to the same high standards. So, whether you need enterprise scale or a network for a small business, when you choose Cisco you can be sure of the same standards of reliability.

### 4 Make the best choice for you.



One size does not fit all. We know it's a cliché, but we also know it's true. That's why when you choose Cisco you are not limited to one way of deploying your network. Whether you prefer on-premise or cloud-managed, we have a range of solutions to suit you.

### 5 Support when you need it.



Once you have a Cisco network you are not on your own. Our support packages look after you 24/7. We can alert you to any potential problems, provide operating system upgrades, and software updates and a fast hardware replacement service if you need it.



# Wireless and Mobility

Accelerate your business with a digital-ready wireless network.



## Optimise

Automatically optimise your network for high- density environments. Give users exceptional wireless performance.

## Personalise

Use location-based services. Analyse visitor behavior and engage with mobile customers on a personal level.

## Secure

Protect users, data, and your business with strong network-based security.

Don't be stuck behind the competition with an old, outdated wireless network. Upgrade to the new 802.11ac Wave 2 wireless access points, and enjoy the fastest wireless speeds available today.

Customers pay for purchases with their smartphones. Schoolchildren read textbooks on tablets. Wireless video cameras monitor security. Employees no longer bother to plug in Ethernet cables.

Wireless usage like this is only going to accelerate as Internet of Things (IoT) traffic from billions of devices and new mobile apps hits the airwaves. By 2019 the majority of fixed IP traffic will be Wi-Fi (53 percent), exceeding wired traffic by 21 percent. How can you keep pace with this surge in Wi-Fi traffic?

Cisco can help. Our 802.11ac Wave 2 access points support the very latest Wi-Fi standard technology. Transmitting data at speeds beyond 1 Gbps, they provide the performance and functionality you need to support mobility for your customers and employees into the future.



# Why you need to upgrade to 802.11ac Wave 2 now



### Significantly boost performance

Greater scale and coverage help you connect an ever-increasing number of devices more reliably.



### Provide a better user experience

Improve customer service and employee experiences. Get faster connections and longer device battery life.



### Support applications effectively

Get the performance you need for video, collaboration, and other business-critical applications.



### Prepare for a digital network

Use the network to speed business processes and introduce services that drive revenue and productivity.

## Which solution is right for you?

GOOD



### Cisco Aironet 1830 Series

- Low-cost AP for small to medium-sized networks
- Supports 802.11ac Wave 2
- Supports flexible deployment models
- Cisco Mobility Express and controller based

BETTER



### Cisco Aironet 1850 Series

- Designed for small to medium-sized networks
- Supports 802.11ac Wave 2
- Supports flexible deployment models
- Cisco Mobility Express and controller based

BEST



### Cisco Aironet 2800 Series

- Designed for medium-sized to large enterprises
- Supports 802.11ac Wave 2
- Offers innovations for high-density environments
- Cisco Mobility Express and controller based

Order	Model	Product	PRICE <small>EX VAT</small>
0005079296	AIR-AP1832I-E-K9	Cisco Aironet 1832i AC1200 Controller Based Dual-Band WiFi PoE Access Point (1200Mbps)	£225.99
0005079078	AIR-AP1832I-E-K9C	Cisco Aironet 1832i AC1200 Controller Based Dual-Band WiFi PoE Access Point with Mobility Express (1200Mbps)	£225.99
0004733977	AIR-AP1852I-E-K9	Cisco Aironet 1852i AC2300 Controller Based Dual-Band WiFi Access Point (2300Mbps)	£323.99
0005079116	AIR-AP1852I-E-K9C	Cisco Aironet 1852i AC2300 Controller Based Dual-Band WiFi Access Point with Mobility Express (2300Mbps)	£321.99
0005898604	AIR-AP2802I-E-K9	Cisco Aironet 2802i AC1300 Controller Based Dual-Band WiFi Access Point (1300 Mbps)	£440.99
0006098405	AIR-AP2802I-E-K9C	Cisco Aironet 2802i AC1300 Controller Based Dual-Band WiFi Access Point with Mobility Express (1300 Mbps)	£439.99

# Network Switches

## Deliver performance and security

A fast, secure and reliable wired switching network is just as vital to the productivity and stability of your organisation as upgrading your wireless speed and capability.

Cisco network switches simplify and secure digital networks in the data centre, core, and edge of your network.

Cisco have a range of switches to suit any organisation of any size, from the small branch, to the large enterprise.

### GOOD Cisco 220 Series Switches

Cisco Small Business 220 Series Smart Plus Switches bridge the gap between managed and smart switches to offer customers the best of both worlds. Combining powerful performance with reliability, they provide the higher levels of security, management, and scalability you expect from managed switches, affordably priced like smart switches.



### BETTER Cisco 300 Series Switches

Easy to set up and use, the Cisco 300 Series Switches provide the ideal combination of affordability and capabilities for small businesses (SMBs), and help create a more efficient, better-connected workforce.



### BEST Cisco 500 Series Switches

The Cisco 500 Series is a line of stackable managed switches that offer the advanced capabilities you need to support a more demanding network environment, at an affordable price. They provide a solid foundation for your current business applications, as well as those you are planning for the future.



# Get the **reliability** you need with **enterprise-class features**

## Cisco Catalyst 2960L Switches

Simplify operations, get the reliability you need, and deliver better mobile experiences to your employees and customers. The Cisco Catalyst 2960-L is available in 8-port to 48-port configurations and supports Power over Ethernet (PoE). Make your network ready for the mobile devices and applications it needs to support with the 2960-L, all at a great value.



## Cisco Catalyst 2960X Switches

Get the enterprise-class features you want at a great price. Our 2960-X Series are stackable Gigabit Ethernet Layer 2 and Layer 3 access switches. They're easy to deploy, manage, and troubleshoot. They offer automated software installation and port configuration. And they help you cut costs with energy-efficient features.



Order	Model	Product	Gigabit Ports	PoE Capable	PRICE EX VAT
SG SERIES					
0003291363	SG220-26-K9-EU	SG220-26 26-Port Gigabit Smart Plus Switch	26		£189.99
0003290987	SG220-26P-K9-EU	SG220-26P 26-Port Gigabit PoE Smart Plus Switch	26	●	£339.99
0001969650	SG300-28MP-K9-EU	SG300-28MP 28-port Gigabit Max-PoE Managed Switch	28	●	£512.99
0001969920	SG300-52MP-K9-EU	SG300-52MP 52-port Gigabit Max-PoE Managed Switch	52	●	£953.99
0005002070	SG350XG-24T-K9-EU	SG350XG-24T 24-Port 10GBase-T Stackable Managed Switch	24		£2,031.99
0005001982	SG350XG-24F-K9-EU	SG350XG-24F 24-Port 10G SFP+ Stackable Managed Switch	24		£1,580.99
0001157324	SG500X-24-K9-G5	SG500X-24 24-Port GB with 4-Port 10-GB Stackable Managed Switch	24		£675.99
0001157365	SG500X-24P-K9-G5	SG500X-24P 24P GB POE with 4Port 10GB Stackable Managed Switch	24	●	£900.99
0001157338	SG500X-48-K9-G5	SG500X-48 48-Port GB with 4-Port 10-GB Stackable Managed Switch	48		£1,125.99
0001157481	SG500X-48P-K9-G5	SG500X-48P 48-P GB POE with 4-P 10-GB Stackable Managed Switch	48	●	£1,574.99
0005001983	SG550XG-24F-K9-EU	SG550XG-24F 24-Port 10G SFP+ Stackable Managed Switch	24		£1,805.99
0005002012	SG550XG-8F8T-K9-EU	SG550XG-8F8T 16-Port 10G Stackable Managed Switch	16		£1,614.99
CATALYST SERIES					
0006728753	WS-C2960L-16PS-LL	Catalyst 2960L-16PS-LL Switch	16	●	£592.99
0006602233	WS-C2960L-16TS-LL	Catalyst 2960L-16TS-LL Switch	16		£383.99
0006728673	WS-C2960L-24PS-LL	Catalyst 2960L-24PS-LL Switch	24	●	£737.99
0006602261	WS-C2960L-24TS-LL	Catalyst 2960L-24TS-LL Switch	24		£561.99
0006728738	WS-C2960L-48PS-LL	Catalyst 2960L-48PS-LL Switch	48	●	£2360.99
0006602298	WS-C2960L-48TS-LL	Catalyst 2960L-48TS-LL Switch	48		£1,002.99
0006728702	WS-C2960L-8PS-LL	Catalyst 2960L-8PS-LL Switch	8	●	£309.99
0006602308	WS-C2960L-8TS-LL	Catalyst 2960L-8TS-LL Switch	8	●	£236.99
0002255901	WS-C2960X-24PS-L	Catalyst 2960X-24PS-L Switch	24	●	£1,026.99
0002255960	WS-C2960X-24TS-L	Catalyst 2960X-24TS-L Switch	24		£773.99
0002255961	WS-C2960X-48LP5-L	Catalyst 2960X-48LP5-L Switch	48	●	£1,796.99
0002255838	WS-C2960X-48TS-L	Catalyst 2960X-48TS-L Switch	48		£1,351.99

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