

Eliminate the Wired Bottleneck with Cisco Multigigabit Technology



We are living in the digital age. Always on connectivity is being driven by the latest Wi-Fi standard, Wi-Fi 6 (802.11ax). This new standard has exceeded the capacity of your wired infrastructure, creating a bottleneck.

Repercussions of digital transformation

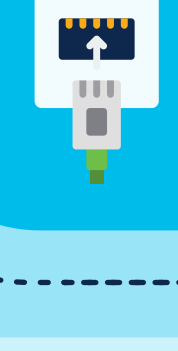
6X

Growth in mobile data traffic (2017-2022*)

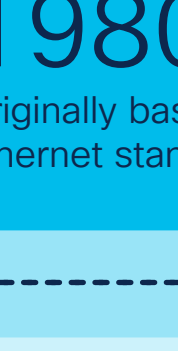
Wireless use examples: Vertical markets



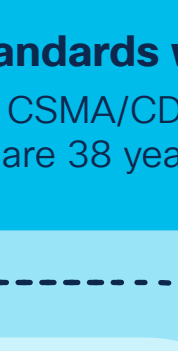
Government
Security cameras



Healthcare
Medical devices



Manufacturing
Machine vision



Education
LAN handoff



Financial
Attached storage

*Cisco 2018 Virtual Networking Index

History of cable installation/port speed/ethernet speed

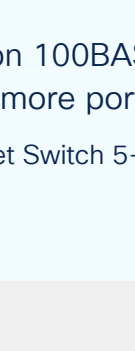
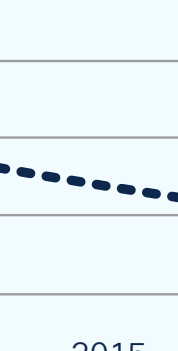
Did you know?



1980 Standards were established
Originally based on CSMA/CD, Ethernet standards are 38 years old

85 Billion meters

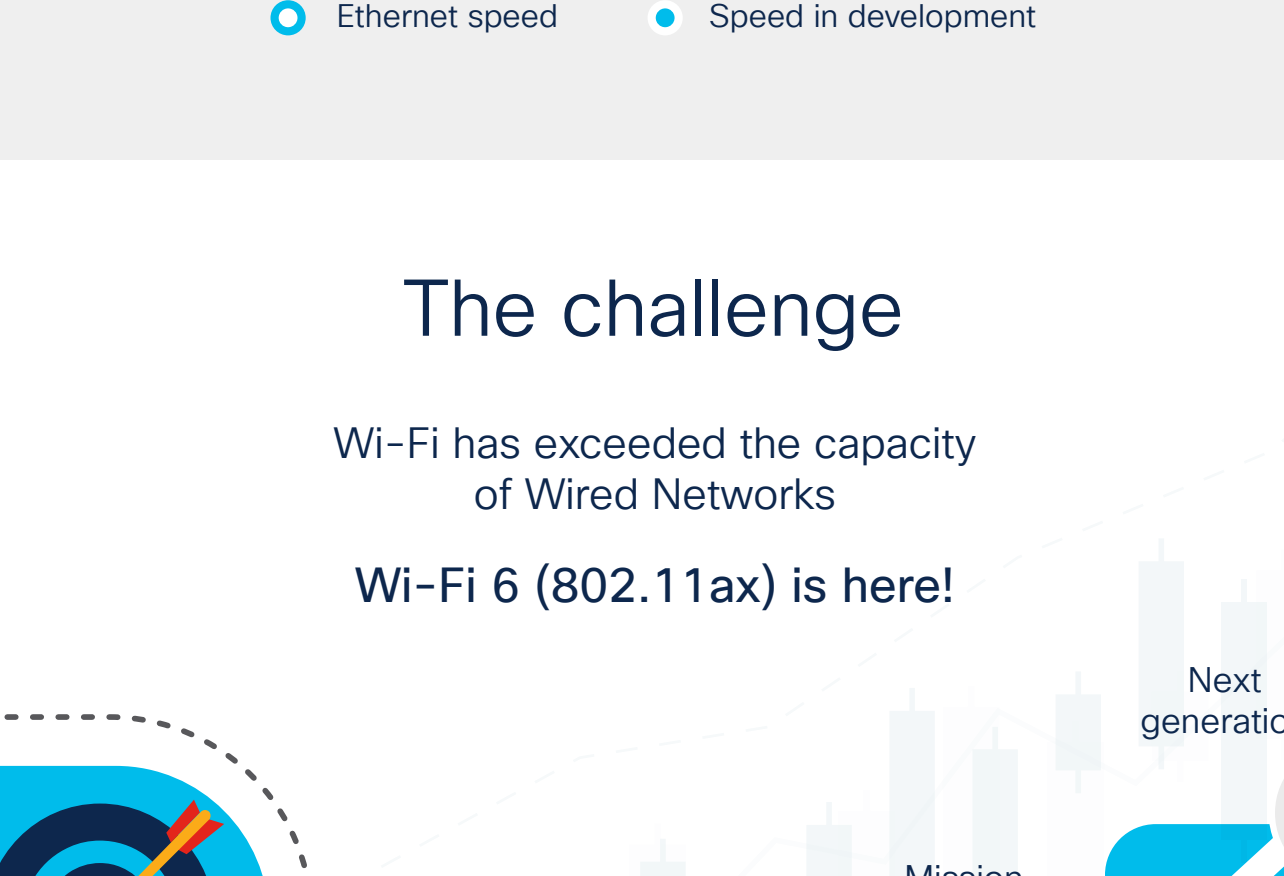
Between 2003 to 2017, over 85 billion meters of Cat 5e and Cat 6 cabling were sold



5.6 Billion ports

More than 5.6 billion 100BASE-T/1000BASE-T switch ports in the last 20 years

Number of ethernet switch ports sold (By speed)



More than 5.6 billion 100BASE-T and 1000BASE-T switch ports shipped in last 20 years. Another 2.4 billion more ports expected to be added by 2022

Dell'Oro Group Ethernet Switch 5-year forecast Jan 2017

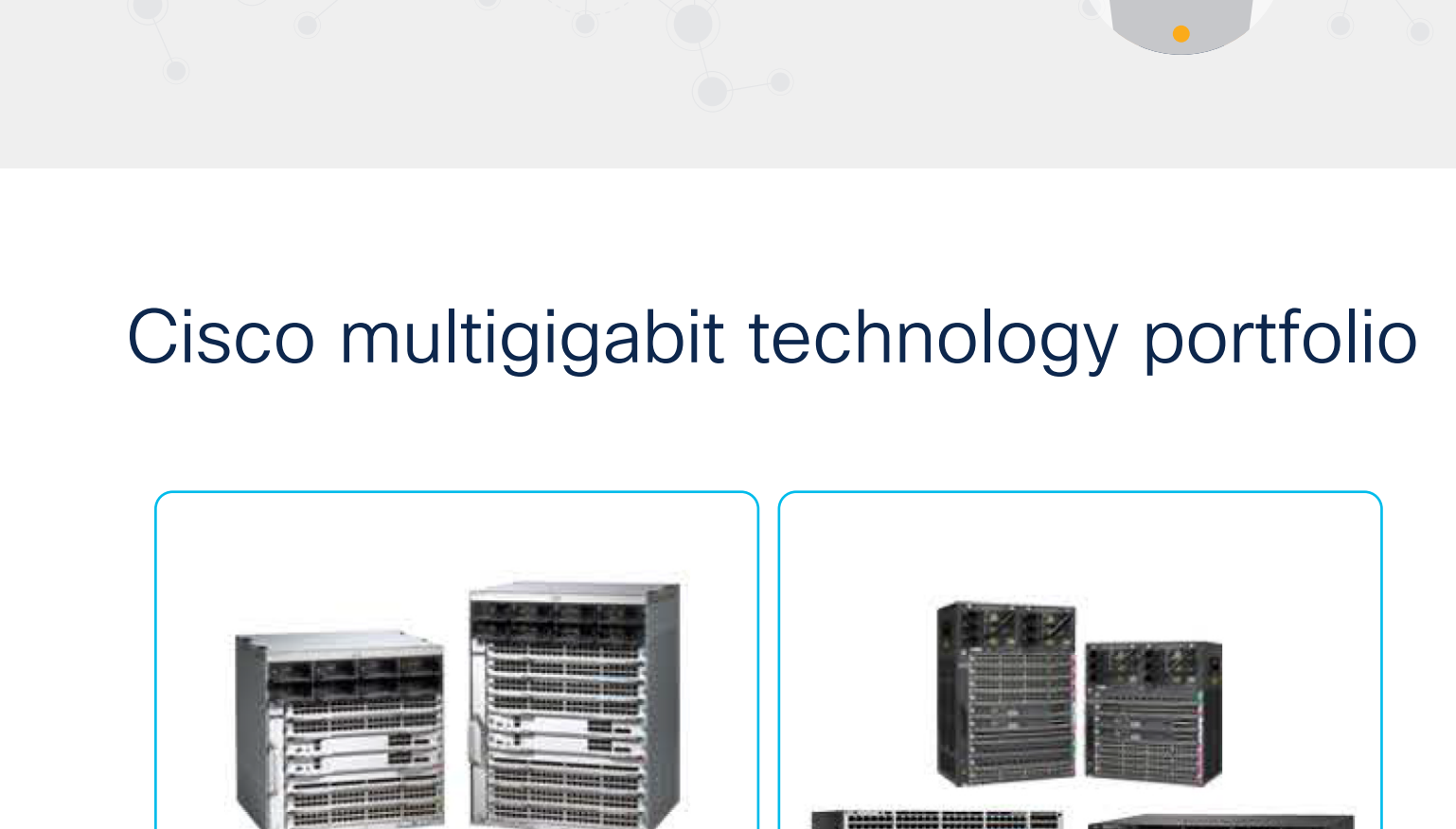
Evolution of ethernet speeds over Cat cables (3-8)



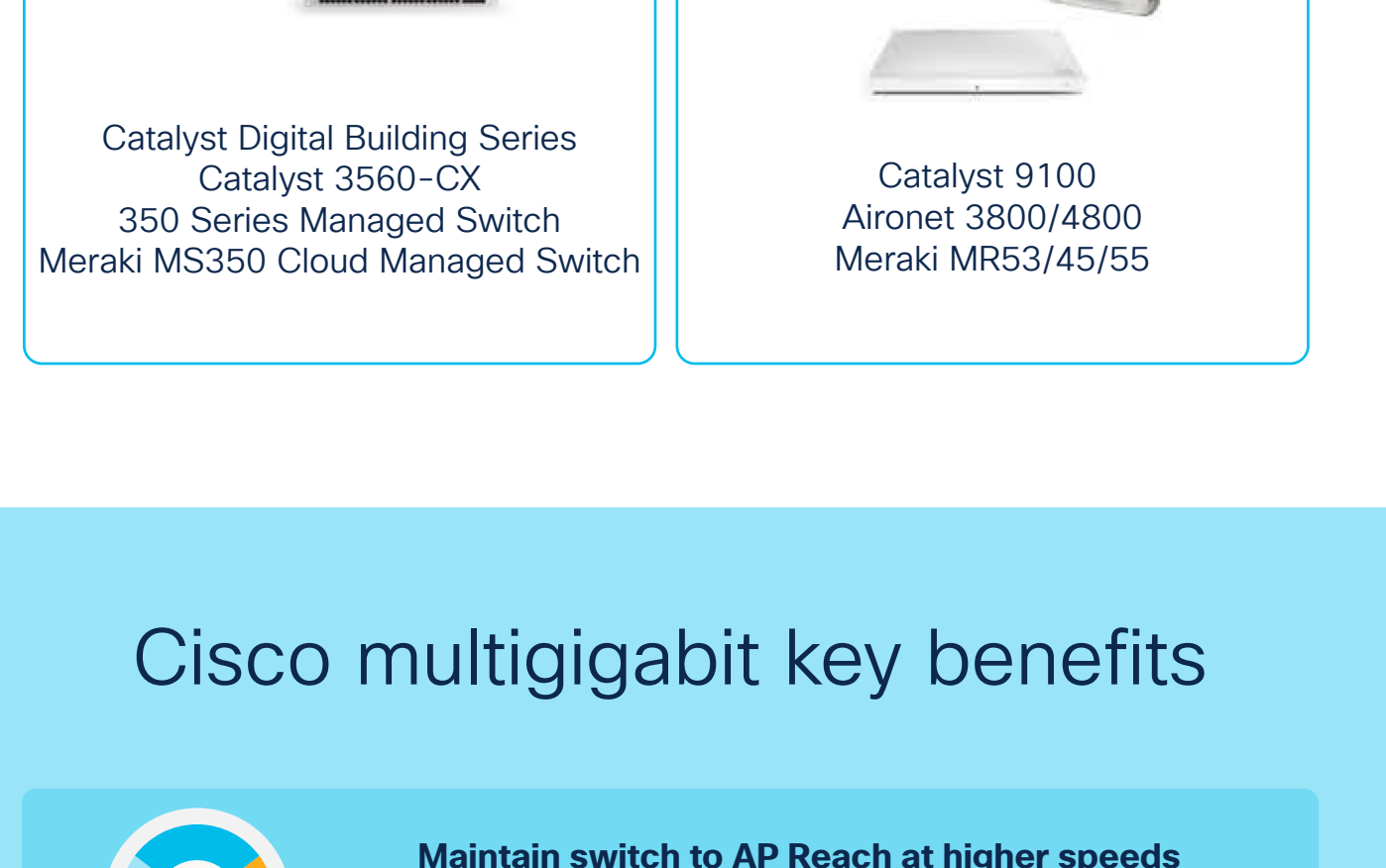
The challenge

Wi-Fi has exceeded the capacity of Wired Networks

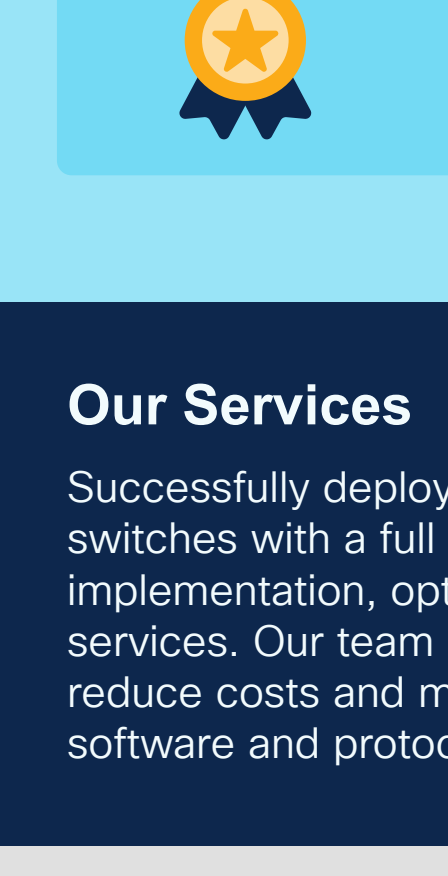
Wi-Fi 6 (802.11ax) is here!



Result: Gigabit bottleneck



How the industry is solving the problem



Ethernet Alliance

Vendor alliance for 2.5G/5G BASE-T with 45+ participant companies
Components, silicon, systems, cabling, test, etc.
Enables widespread deployment, evolves specifications, facilitates interoperability.
<https://ethernetalliance.org/>

The solution

Cisco multigigabit technology

Up to 5X Speed increase without replacing the cabling infrastructure

Cisco multigigabit technology portfolio

Catalyst 9400 Series
Catalyst 9300 Series
Catalyst 9200 Series

Catalyst 4500-E Series
Catalyst 3850 Series
Catalyst 3650 Series

Catalyst Digital Building Series
Catalyst 3560-CX
350 Series Managed Switch
Meraki MS350 Cloud Managed Switch

Catalyst 9100
Aironet 3800/4800
Meraki MR53/45/55

Cisco multigigabit key benefits

Maintain switch to AP Reach at higher speeds

Adaptive rate technology (FE, 1G, 2.5G, 5G, and 10G)

Infrastructure investment protection

Supports 100m distance with Cat5e/Cat6 cabling up to 5G speeds
Supports Cat6a cabling deployments for higher speeds

PoE/PoE+/UPOE/UPOE+

Up to 90W PoE over 10GBASE-T to support a range of power needs

Standards compliant

Compliant with 1000BASE-T and 10GBASE-T IEEE standards
IEEE 802.3bz 2.5/5GBASE-T standard

Our Services

Successfully deploy, manage, and support Cisco Catalyst 9000 switches with a full life cycle of Services including implementation, optimization, technical, managed and training services. Our team of experts can help you speed deployment, reduce costs and minimize risk as you introduce new hardware, software and protocols into the network.

Please feel free to get in touch to talk through your requirements.

Contact us using the details below or fill out the short form and we will get back to you within 24hr.

Let's Talk

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