



Cisco Catalyst 8500 Series Edge Platforms

Redefining the WAN Infrastructure

William Ma, Sumant Mali

IBNG – PM, TME

November 2020

News & Upcoming events



Upcoming Community Live Event

Use Serviceability Features to Troubleshoot your Cat9K as a Cisco TAC Engineer

December 1st, 2020

With Aaron Cespedes

Participate: <http://bit.ly/CL-9k1201>



Community Live Event

«Using Serviceability Features to Troubleshoot your Cat9K as a Cisco TAC engineer»
Presented by : Aaron Cespedes

Private event
December 1st, 2020

Register today

Become an event Top Contributor!

Participate in Live Interactive Technical Events and much more

<http://bit.ly/EventTopContributors>



Cisco Community / Events Top Contributors

Events Top Contributors



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2014 2013



Julio Carvajal



Ryota Takao



Cisco Designated VIPs

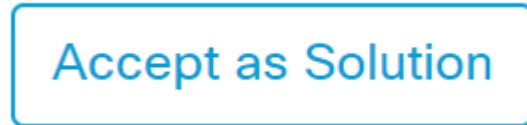
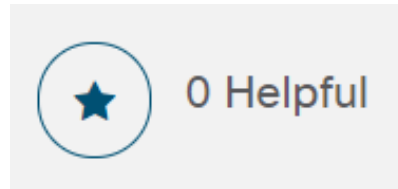


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Cisco Community Experts



Sumant Mali
Technical Marketing Engineer



William Ma
Product Manager

Thank You For
Joining Us Today!



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Submit Your Questions Now!

Use the **Q&A** panel to submit your questions and the panel of experts will respond.

They will be answered eventually



Please take a moment to complete the survey at the end of the event

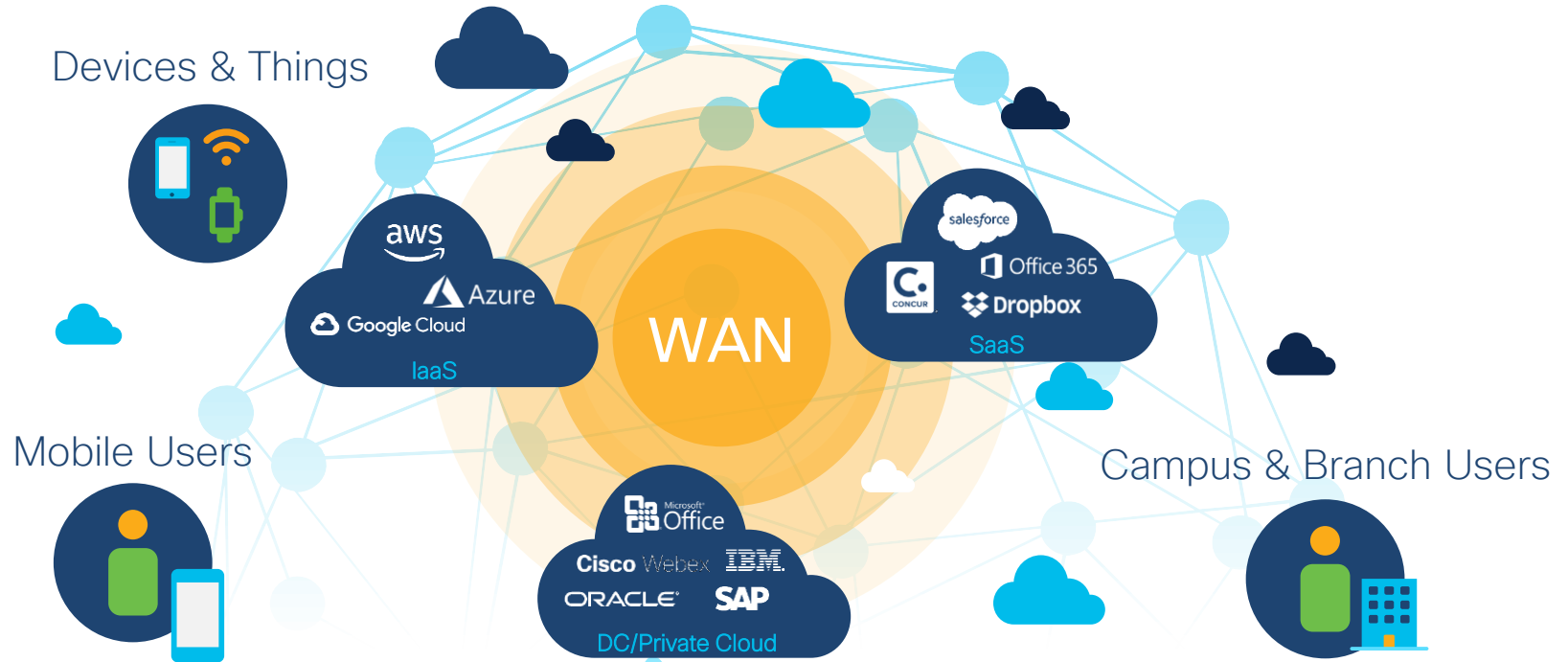


Cisco Catalyst 8500 Series Edge Platforms

Redefining the WAN Infrastructure

William Ma, Sumant Mali
IBNG – PM, TME
November 2020

It's a Multicloud World



Journey to Cloud

Fueled by Technology Transformation

Multicloud



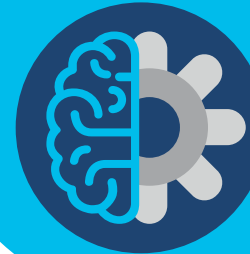
“Cloud migration will continue to accelerate the adoption of SD-WAN”
- Markets & Markets

5G,
Edge Compute



“5G Enterprise Market is expected... CAGR of over 42% during the forecast period (2020-2025)... pushing toward the industrial revolution 4.0”
- Mordor Intelligence Report

AI/ML
Insights



“By 2022, 72% of network strategists project using AI-enabled predictive insights or prescriptive remediation”
- Cisco VNI Report

Facilitating more service acceleration at the edge in a multicloud world

Powered by secure cloud scale SD-WAN

Cisco's flexible architecture for Intent-based Networking

Any Deployment



On-premise | Cloud | Multi-tenant
Automation | Network Insights | Machine Learning | AI
Open | Programmable | Scalable

Any Service



Multicloud
Optimization



Multi-Layer
Security



Analytics



Voice



Multi-Domain
IBN Policy

Any Transport



Satellite



Internet



MPLS



5G/LTE

Any Location



Branch



Colocation



Cloud



Remote Work



Cisco Catalyst 8000 Edge Platforms Family

Cloud

VNF

Catalyst 8000V



SRIOV
Hypervisor/Cloud

Headend

QFP

Catalyst 8500



User Centric
Design

Branch

x86

Catalyst 8300



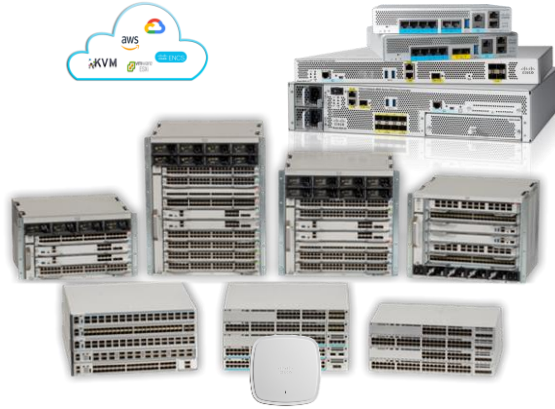
IOS XE

Common Software Architecture

X86 SoC, QFP 3.0

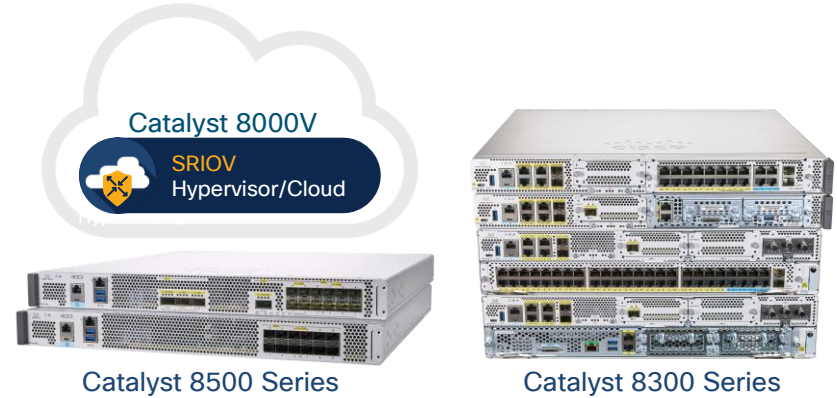
Scalable Hardware Architecture

Catalyst Everywhere



Catalyst 9K

Enterprise Campus Networks



Catalyst 8500 Series

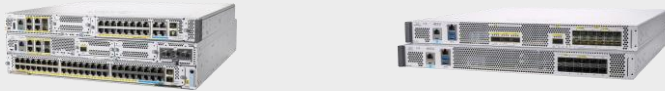
Catalyst 8300 Series

Catalyst 8K

Enterprise WAN Networks

Single Offer with common DNA Subscription

Systems



Catalyst 8000 Edge Platforms



DNA Subscription



Cisco DNA Premier



Cisco DNA Advantage



Cisco DNA Essentials*

* Only Catalyst 8300 & Catalyst 8000V

Performance, Flexibility & Investment Protection

Catalyst 8000 – Certification & EFT

30+

EFT Customers
& Partners

50+

Countries
Certified

6+

Months of beta
testing

Ready to serve Enterprise WAN Edge



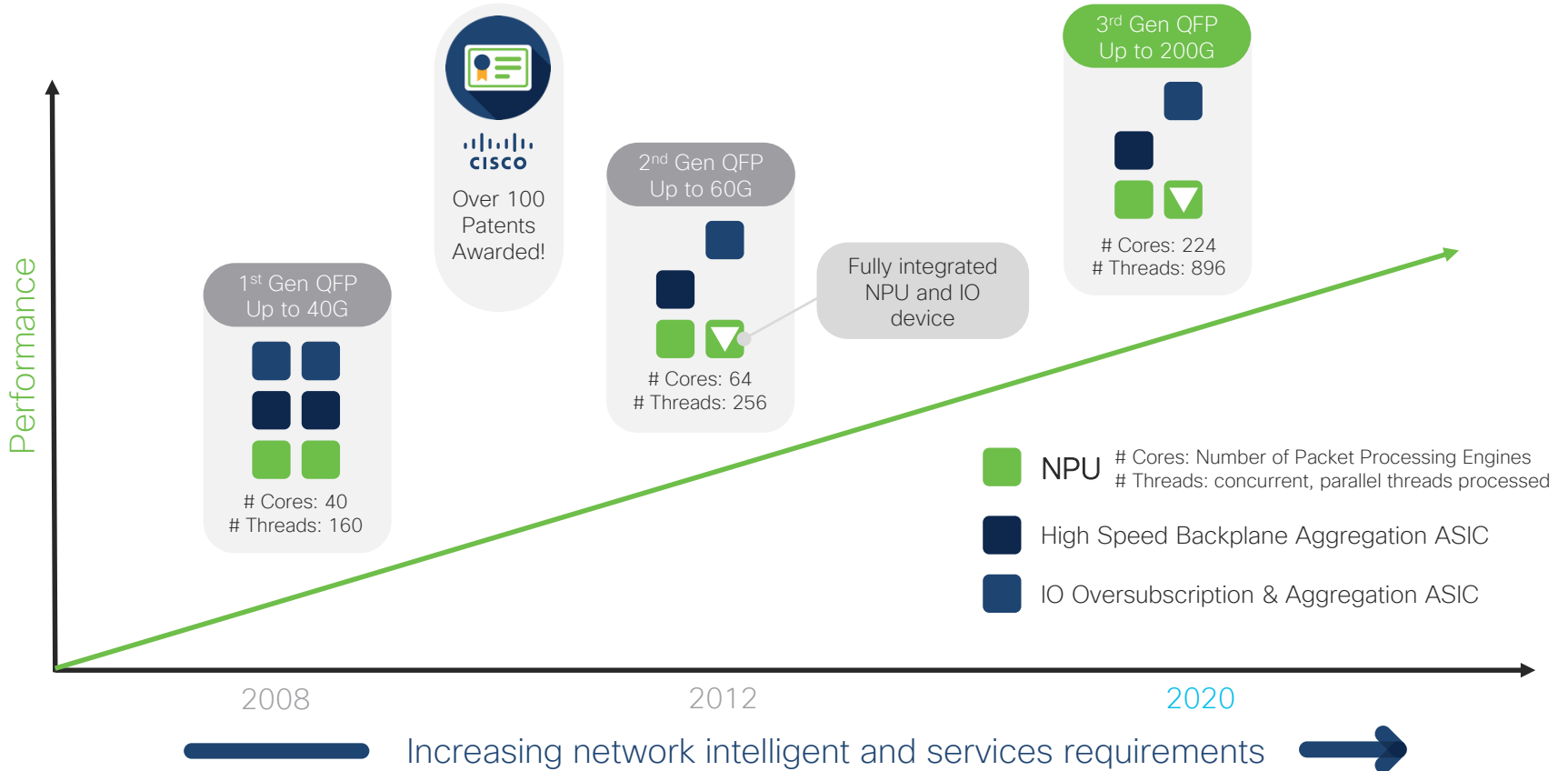
Catalyst 8500

Aggregation Redefined



Cisco Enterprise Routing ASIC Leadership

Continuing Investment in Network Processor Technology



Cisco Third Generation QFP

Exceptional Data Path ASIC



Hardware Accelerated IPsec
In-Line Encryption, Decryption



Multi-Core Parallel Processing
224 PPEs, 896 Threads



Built-in L2 Sub-system
240 Gbps L2 Aggregation



High Scale Feature Velocity
Improved Performance, Programmable

Cisco Catalyst 8500 Series Edge Platforms

Highly Capable 1RU SD-WAN Headend

Integrated Rich Services

NBAR2, NAT, Firewall, QoS, etc.
Industry's Leading Service Edge Platforms

Edge Intelligence

Compute
Container based Apps



Scale

Up to 8000 SD-WAN Tunnel Aggregation
High Speed 100/40 Gigabit Ethernet Ports
High Density 10/1 Gigabit Ethernet Ports

Multi-layer Security

High Throughput MACsec and IPsec
Trustworthy Solutions
Umbrella SIG

Highlights

All Ports
Built-in

WAN
MACsec

Third
Generation
QFP

Up to
200Gbps
CEF

5G
Ready

Manageability

vManage

DNA Center

Open APIs

Analytics

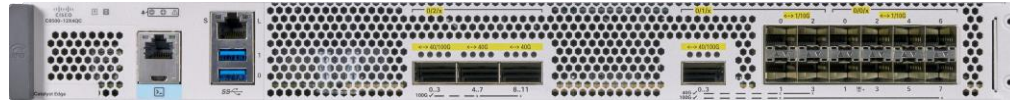


Built-in
Port
Flexibility

Catalyst 8500 Series Edge Platforms

100G, 40G
'C' 'Q'

C8500-12X4QC



2 QSFP28, 2 QSFP
12 SFP+

10G, 1G
'X'

C8500-12X



12 SFP+

Up to 200 Gbps CEF,
High Performance IPsec

3rd Generation QFP,
Hardware Accelerated Services

User Centric Design,
RFID, Label Tray, FRUs



Polling Question #1

How much of SD-WAN throughput you need at headend platform?

- Up to 10 Gbps aggregate IMIX
- 10 to 20 Gbps aggregate IMIX
- 20+ Gbps aggregate IMIX
- Not planning to deploy SD-WAN



C8500-12X4QC,
C8500-12X Deep Dive

Catalyst 8500 Series Overview



Data Plane

Third Generation QFP: 224 PPEs

80Mb / 10Mb* TCAM, 32GB DP Memory

CEF: up to 200Gbps / 120Gbps*

IPsec: up to 46Gbps / 30Gbps*

SD-WAN IPsec: up to 33Gbps / 22Gbps*

Control Plane

x86 Quad Core Processor

DRAM 16GB default – 64GB upgradable

32GB Bootflash, Optional 480GB SSD

Trustworthy

Trust Anchor module

Secure Boot, Image Signing

Modern Crypto, Runtime Defenses

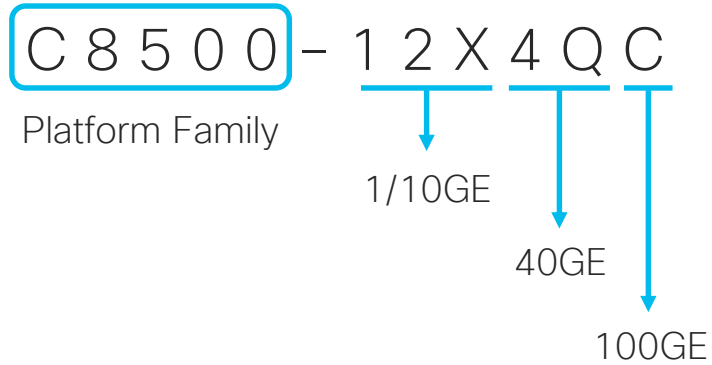
Interface Options

Two 100/40GE QSFP28, Two 40GE QSFP+ Ports

Twelve 10/1GE SFP+ Ports

Cisco WAN MACSec, SYNCE Support

How to read the PID?



PID Character	Significance
X	1GE / 10GE Port
Q	40GE Port
C	100GE Port

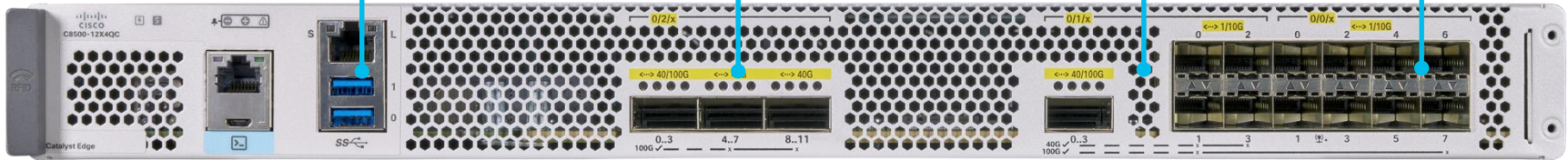
Catalyst 8500 Series Front Face

USB 3.0 Interfaces
Management Ethernet

Bay 2: 3xQSFP
1x 100G or 3x 40G

Bay 1: 4xSFP+/1xQSFP
1x 100G or 1x 40G or 4x 10/1G

Bay 0: 8xSFP+
8x 10/1G



C8500-12X4QC

RFID Tag

RJ45 and Micro
USB Console

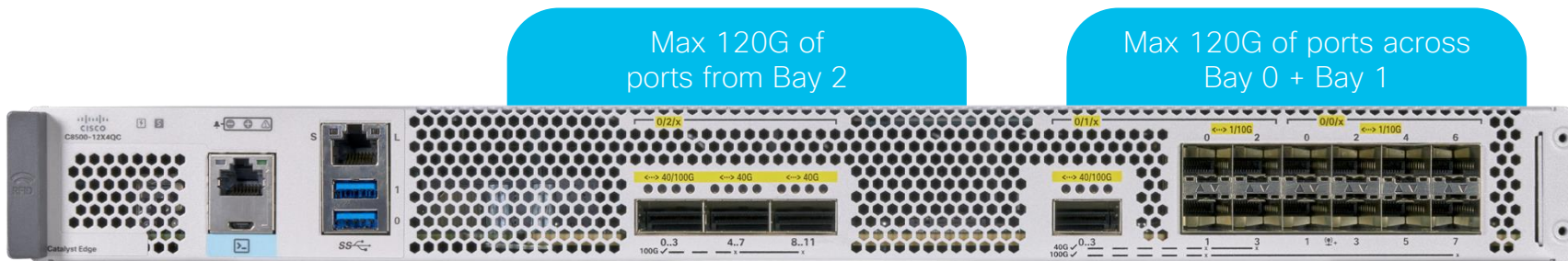
C8500-12X

Bay 0: 12xSFP+
12x 10/1G

Label Tray

C8500-12X4QC Port Connectivity

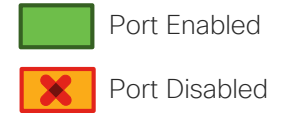
Purpose-built 100GE, 40GE Port SD-WAN 1RU Platform



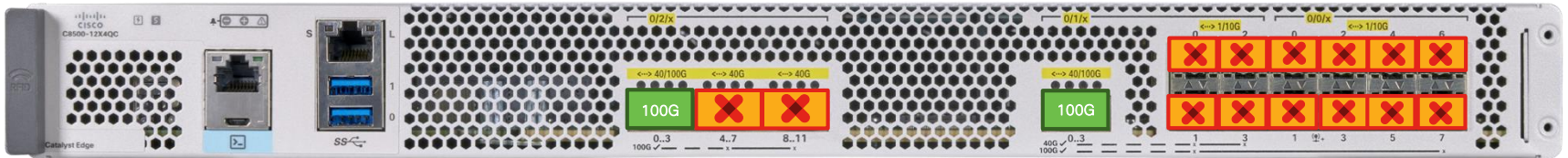
Option	Port Speed	Maximum Port Configuration
1	100G	2x100G
2	100/40G	1x100G + 3x40G
3	40/10G	4x40G + 8x10G
4	100/40/10G	1x100G + 1x40G + 8x10G
5	10G	12x10G
6	1G	12x1G

100GE, 40GE Connectivity Options (i)

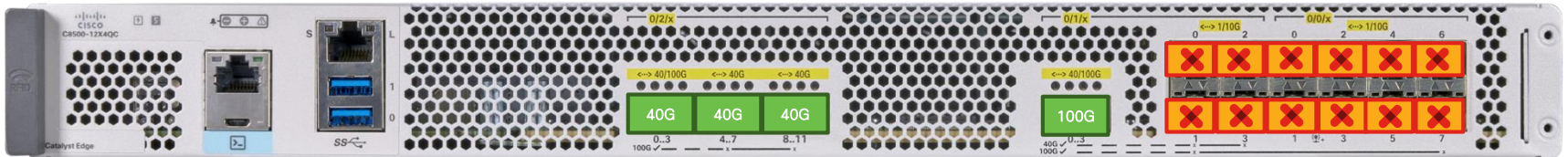
C8500-12X4QC



Option 1 2 x 100G



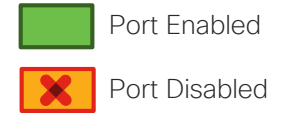
Option 2 1 x 100G + 3 x 40G Ports



Note: For port speed change on any bay; there is an expected 1 sec traffic disruption due to backplane reset

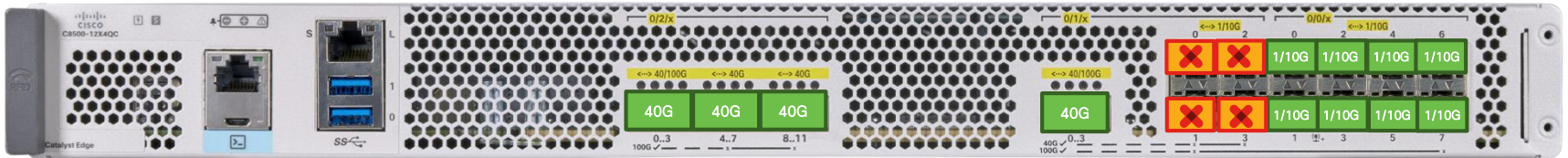
100GE, 40GE Connectivity Options (ii)

C8500-12x4QC



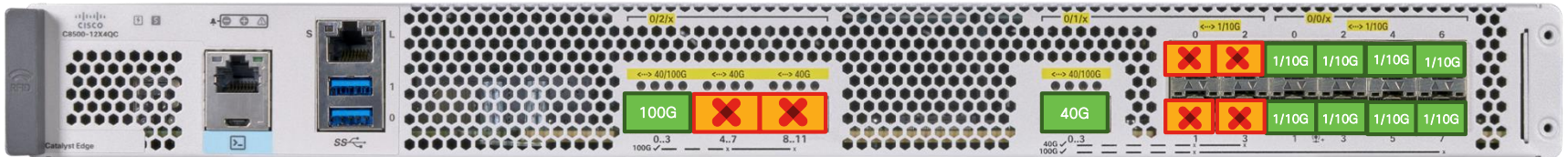
Option 3

4 x 40G + 8 x 10G



Option 4

1 x 100G + 1 x 40G + 8 x 10G



Note: For port speed change on any bay; there is an expected 1 sec traffic disruption due to backplane reset

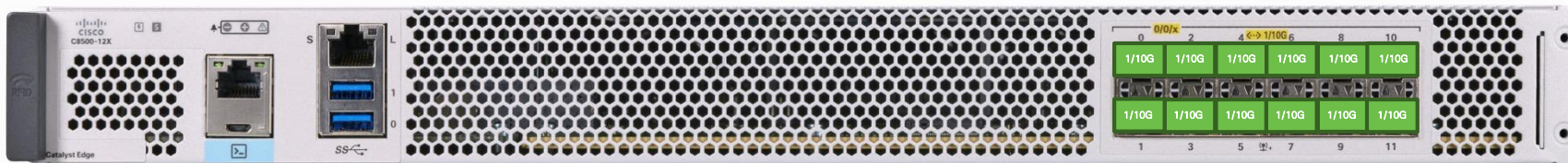
High Density 10GE, 1GE Connectivity Options

C8500-12X and C8500-12x4QC

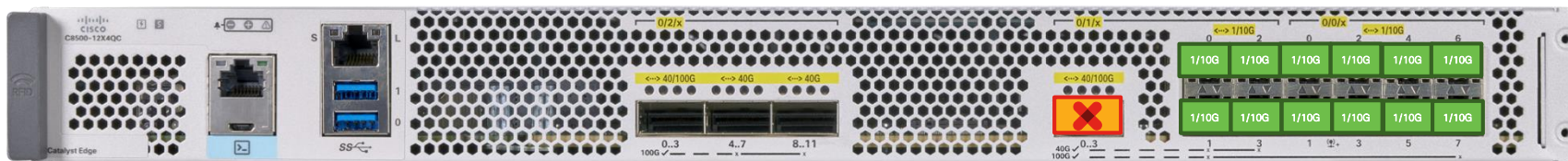
 Port Enabled

 Port Disabled

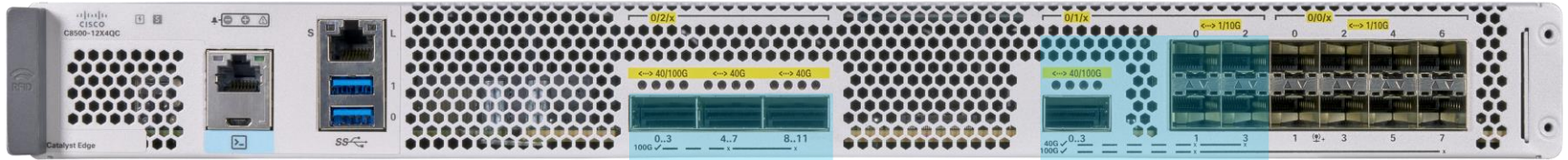
Option 5,6 C8500-12X: 12 x 1/10GE



Option 5,6 C8500-12X4QC: 12 x 1/10GE



C8500-12X4QC, Bay Speed Configuration



```
Router(config)#hw-module subslot 0/1 mode ?
```

```
100G  configure EPA to 100G mode
```

```
10G   configure EPA to 10G mode
```

```
40G   configure EPA to 40G mode
```

```
Router(config)#hw-module subslot 0/1 mode 100G
```

Present configuration of this subslot will be erased and will not be restored.

CLI will not be available until mode change is complete and EPA returns to OK state.

```
Do you want to proceed? [confirm]
```

```
<snip>
```

C8500-12X4QC, Bay Speed Configuration

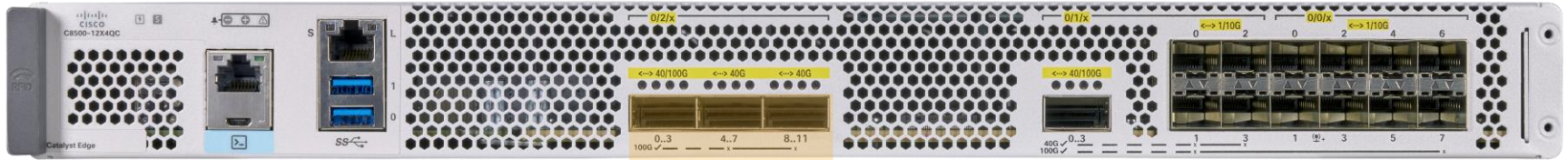
The screenshot shows the Cisco vManage interface for configuring a C8500-12X4QC switch. The breadcrumb navigation is: Feature Template > Add Template > Dynamic Interface Mode. The main configuration area is titled 'SUBSLOT MODE PARAMETERS' and lists three bays:

Bay	Configuration
Bay 0	8*10g
Bay 1	1*40G (selected)
Bay 2	1*100G

The background image of the switch shows interface labels: 0/2/x, 0/1/x, and 0/0/x. The 0/0/x label is associated with a 100G interface, and the 0/1/x label is associated with a 40G interface. The 0/2/x label is associated with a 40G interface. The switch is a Catalyst Edge C8500-12X4QC.

Breakout Cable Support on C8500-12X4QC

40GE Speed Interfaces → Breakout into 4 x 10GE ports

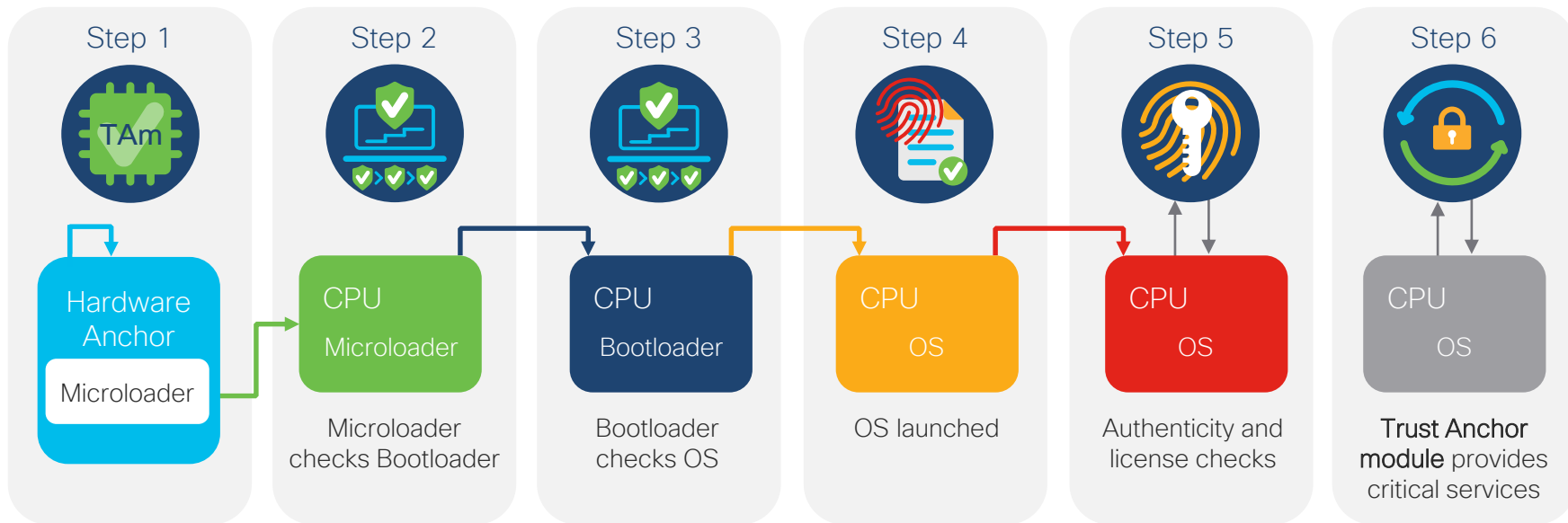


*Support on Autonomous mode only

```
Router(config)#hw-module subslot 0/2 mode 40g
Router(config)#
Router(config)#hw-module subslot 0/2 breakout 10G port ?
all          configure all native ports in breakout mode
native_port_0  configure native port 0 in breakout mode
native_port_4  configure native port 4 in breakout mode
native_port_8  configure native port 8 in breakout mode
```



Secure Platform with Trustworthy Solutions



First instructions run on CPU stored in tamper-resistant hardware

Confidentiality

Integrity

Authenticity



Radio Frequency Identification (RFID)

Front Facing *Passive UHF RFID*

Ultra High Frequency (UHF)

860 to 960 MHz

1 to 4 meter Distance

Benefits

Good read range

Industry adopted standard

Supply Chain Applications



RFID Tag



Label Tray



Label Tray

Label Tray has a **plastic strip** that can be pulled out

Label Tray contains

- Product ID
- PID version ID
- CLEI
- TAN
- MAC and
- Hardware version number



Label tray contains a **QR code** with information encoded in it



AC, DC Power Supply



750W AC Power Supply
PWR-CH1-750WACR



950W DC Power Supply
PWR-CH1-950WDCR



1 + 1 Redundancy



Field Replaceable FAN Module



Replaceable FAN Tray

N + 1 FAN Redundancy

Front-to-Back Airflow



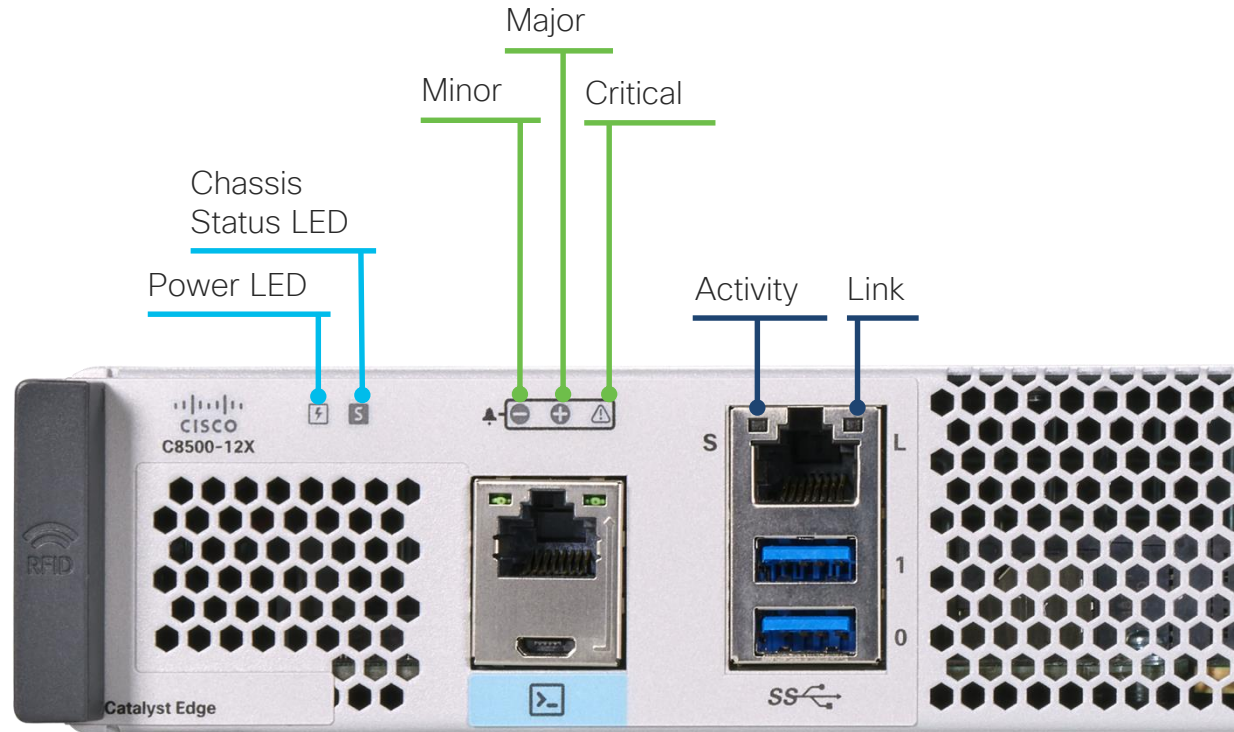
Front Panel LED Indicators

Built-in Port LEDs

LED OFF ➔ Port is not enabled by software

LED Amber ➔ Port is enabled by software, but problem with link

LED Green ➔ Port is enabled by software and link is valid



Similar LEDs applicable for C8500-12X4QC and C8500-12X platforms



Management Flexibility

Console Flexibility

Traditional RJ45 Console Port
Micro USB Console Port

External Storage

2 x USB 3.0 Ports

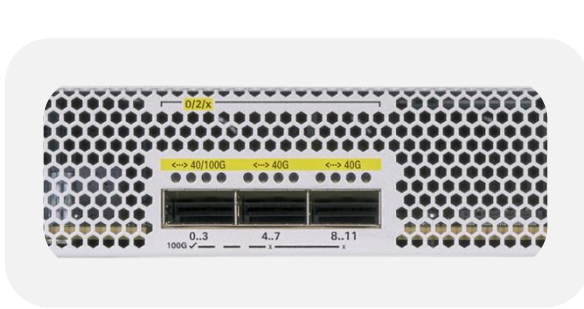


Micro USB
Console

USB3.0



Industrial Design and Ergonomics



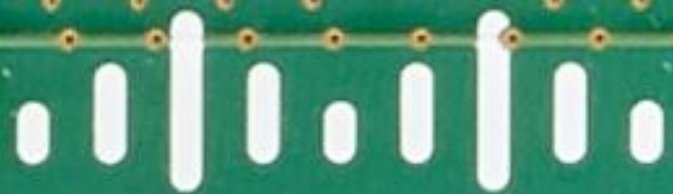
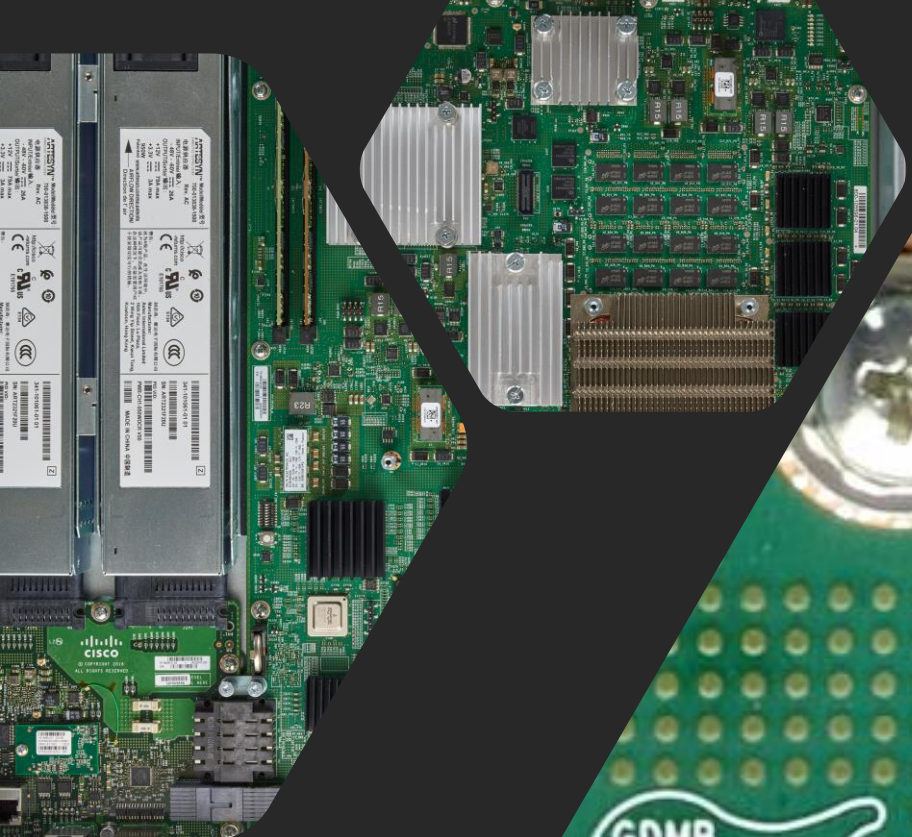
Circle Pattern
Hex Packing



Satin Aluminum Based
Textured Finish



Rounded Frame
4 mm



CISCO

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U99

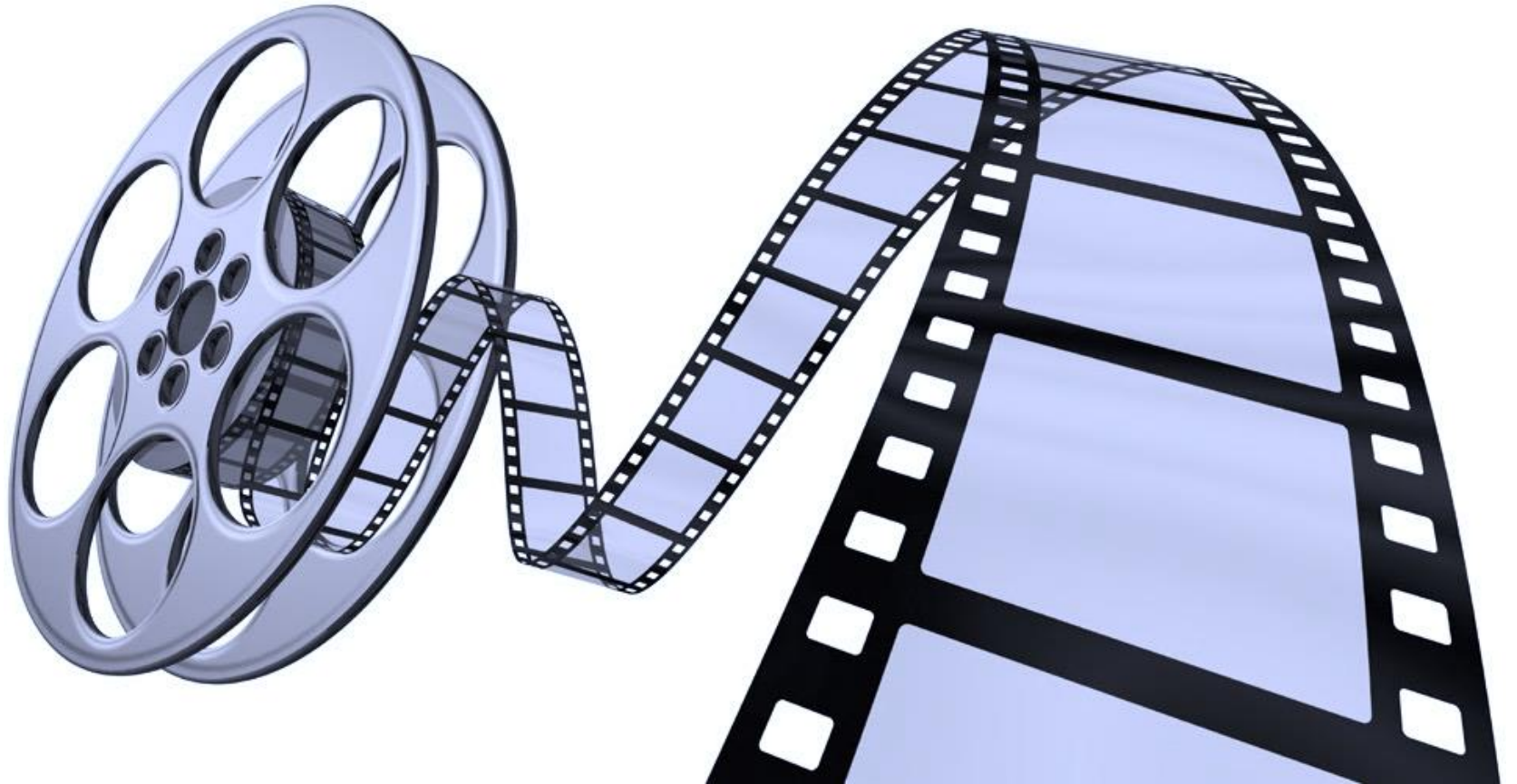


16
15

QFP 3.0 Innovations



Let's Roll the Video

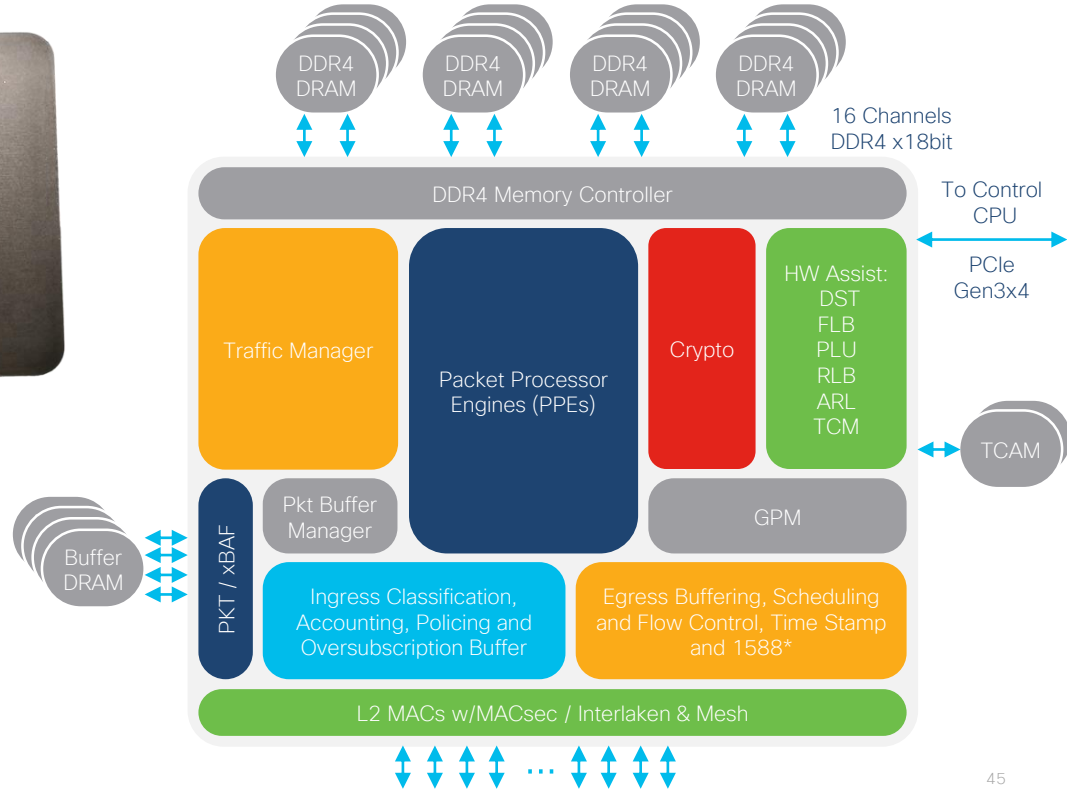


QFP 3.0, Key Building Block of Catalyst 8500

Scalable and Programmable ASIC Innovation



-  **2x queues**
256k
-  **Up to 2x NBAR**
Up to 80Gbps
-  **Inline Crypto**
Up to 137Gbps
-  **Up to 3x CEF**
Up to 200Gbps
-  **8x DRAM**
16M NAT, 32M CGN |
6M FW Sessions



*1588 is not supported currently



QFP 3.0, Multi Threaded Parallel Processing

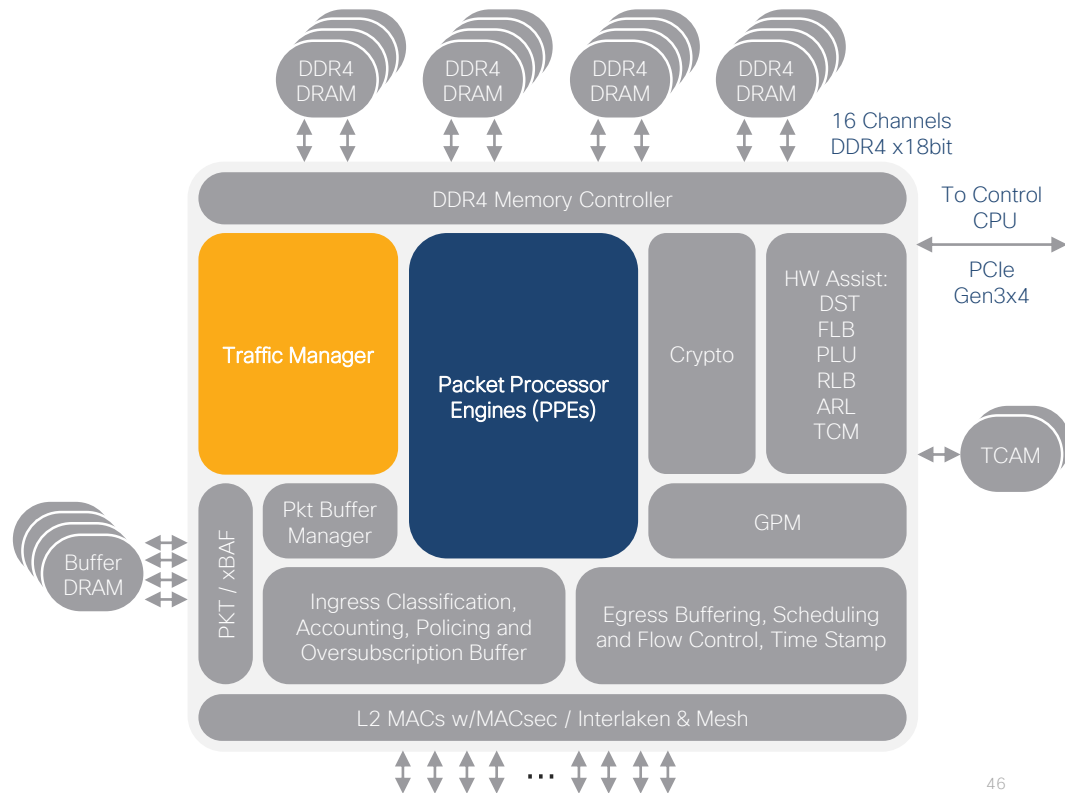
Tremendous Raw Power

224 PPEs

896 Threads

256K Queues

Simultaneous
Packets Processing





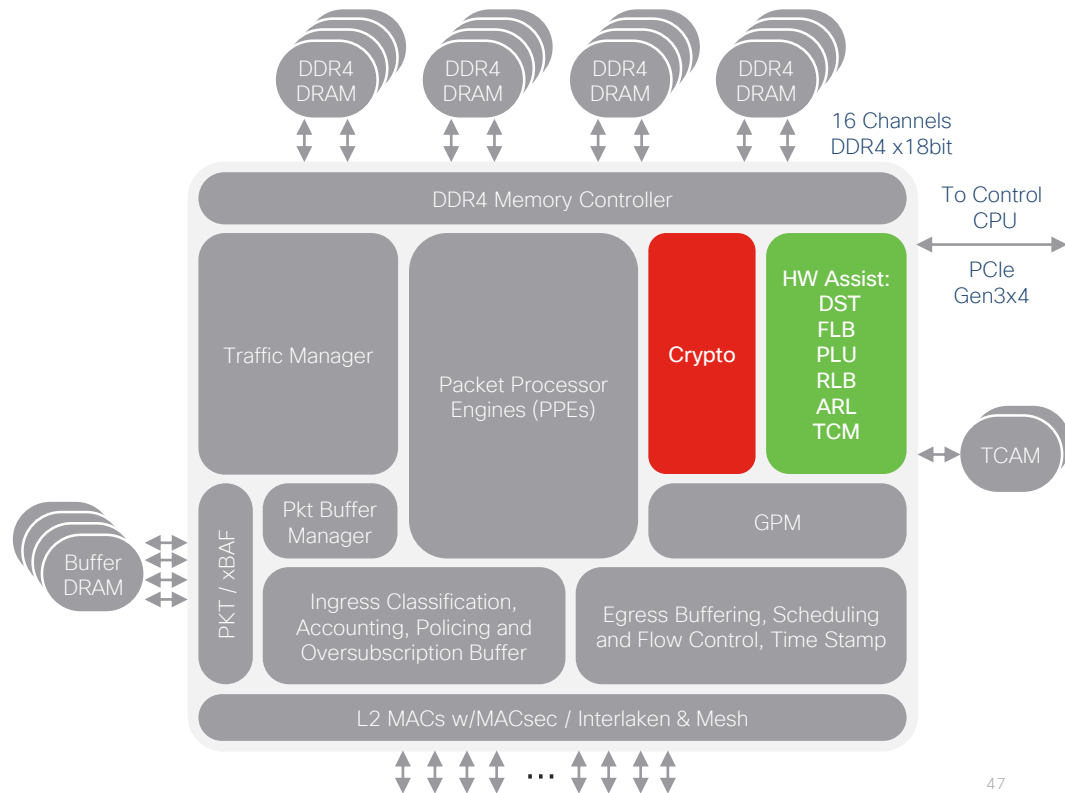
QFP 3.0, Inline Crypto Engines

Hardware Accelerated IPsec

16 Crypto Engines

Up to 137Gbps Crypto Performance

Suite-B Crypto Hardware Assist





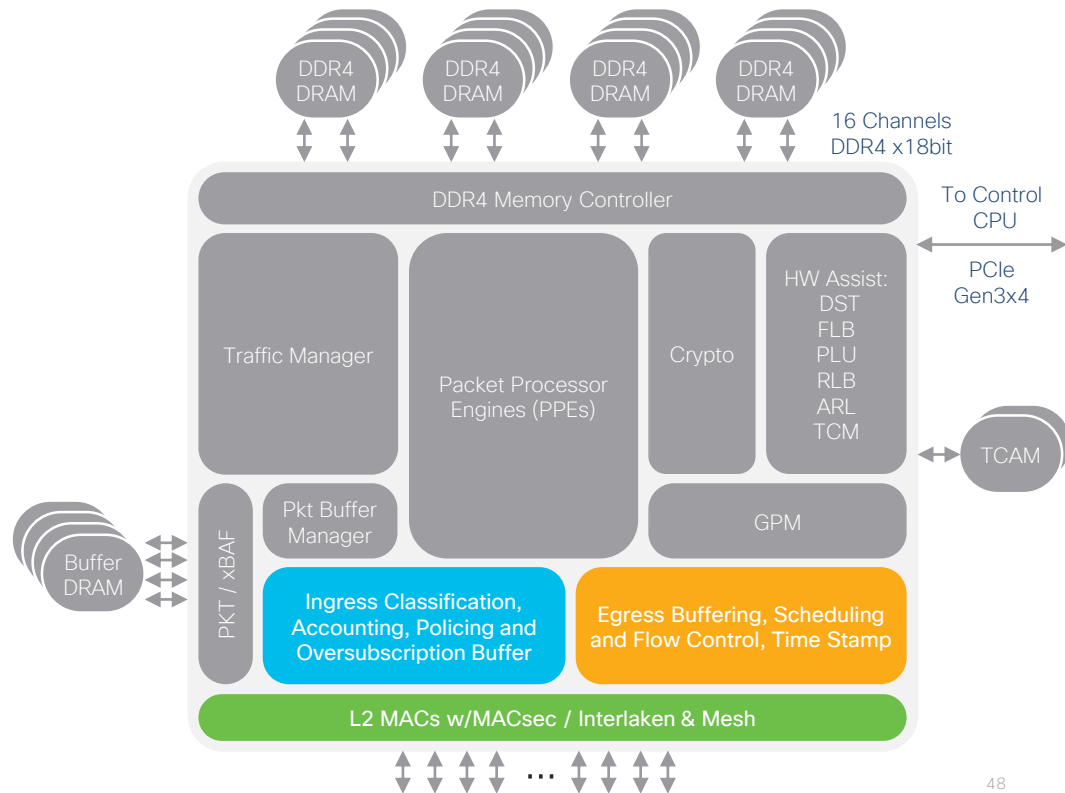
QFP 3.0, Built-in Layer 2 Aggregation

End to end traffic Management

240Gbps Layer 2 Aggregation

Per Port L2/L3 Classification

Ingress, Egress
Traffic Management





Third Generation QFP Blocks

Traffic Manager

- 256K useable queues
- 134K scheduling nodes
- Event driven flow control

Layer 2 Sub-system

- 240Gbps Aggregation
- Per Port L2/L3 classification
- Line rate WAN MACsec

Inline Crypto

- Higher IPsec throughput
- 16 Crypto Engines
- Next Generation Strong Encryption: Suite-B

NEW

NEW



Catalyst 8500 Platform Architecture

C8500-12X4QC Bays

0/2

Bay 2: 3xQSFP

1x 40/100GE QSFP28 Port
2x 40GE QSFP+ Ports

0/0

Bay 0: 8xSFP+

8x 1/10G SFP+ Ports

Bay 1: 4xSFP+/1xQSFP

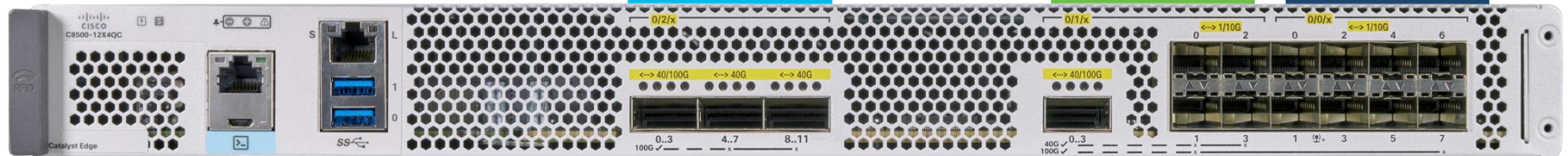
4x 1/10G SFP+ Ports
1x 40/100GE QSFP28 Port

0/1

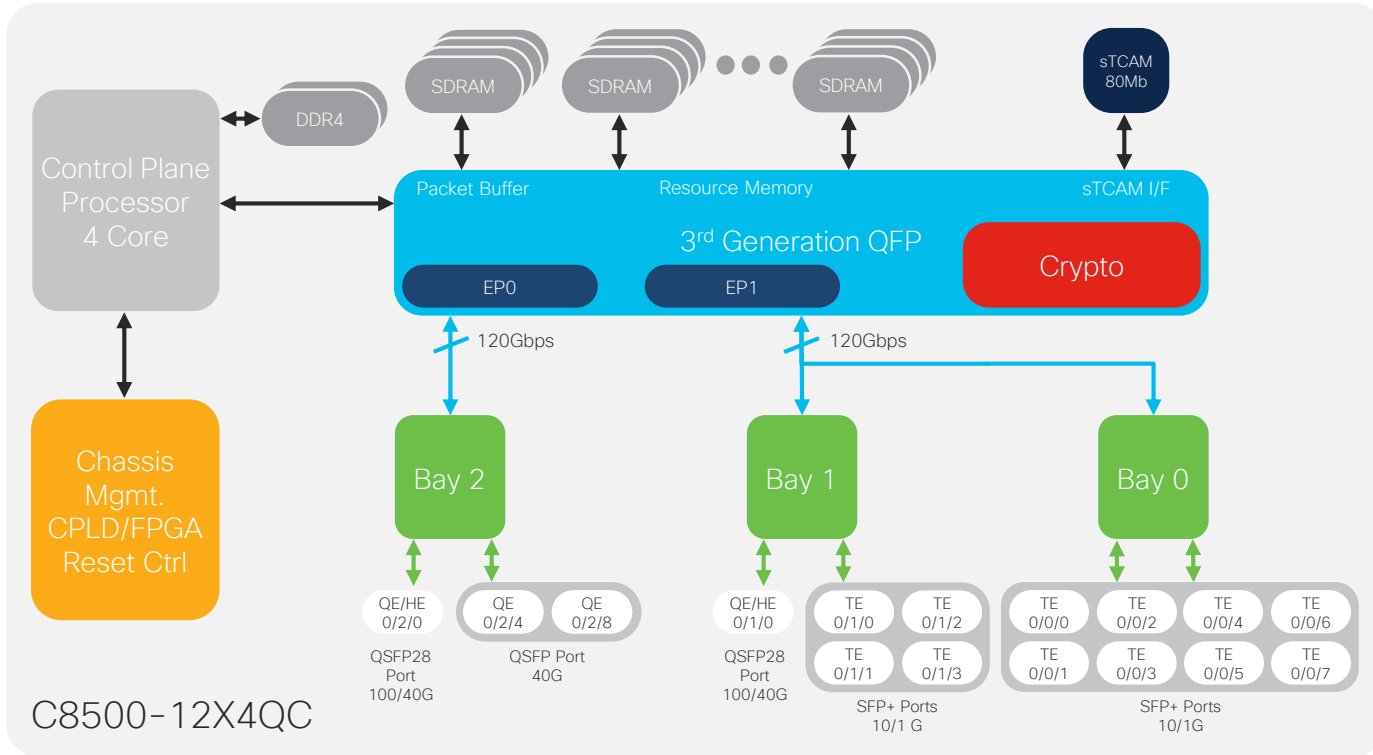
0/2

0/1

0/0



C8500-12X4QC Block Diagram



Third Generation QFP

Built-in L2 Sub-system

Built-in Cryptography

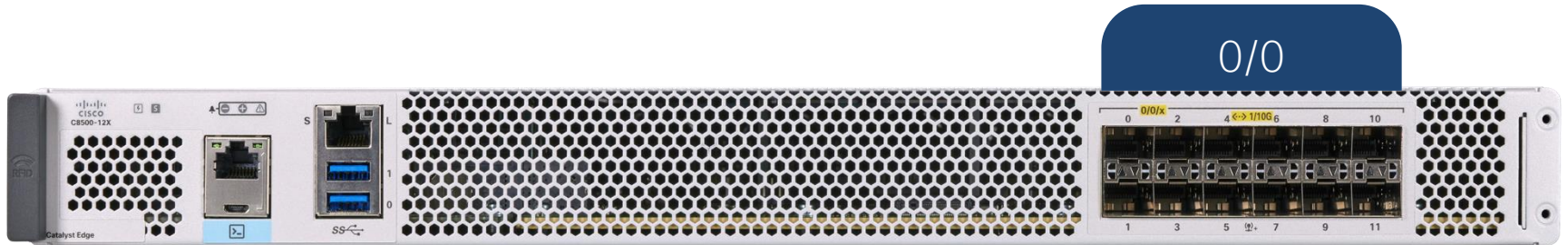
C8500-12X Bay



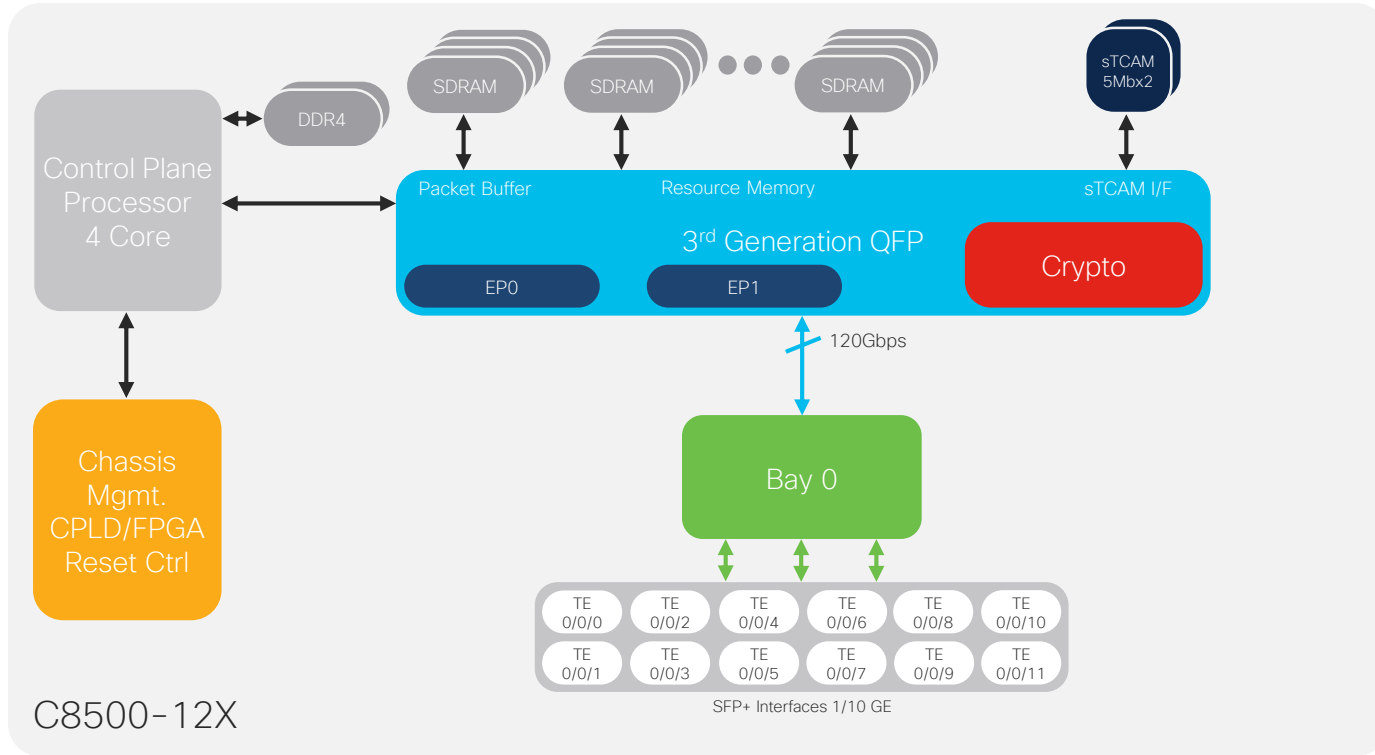
0/0

Bay 0: 12xSFP+

12x 1/10G SFP+ Ports



C8500-12X Block Diagram







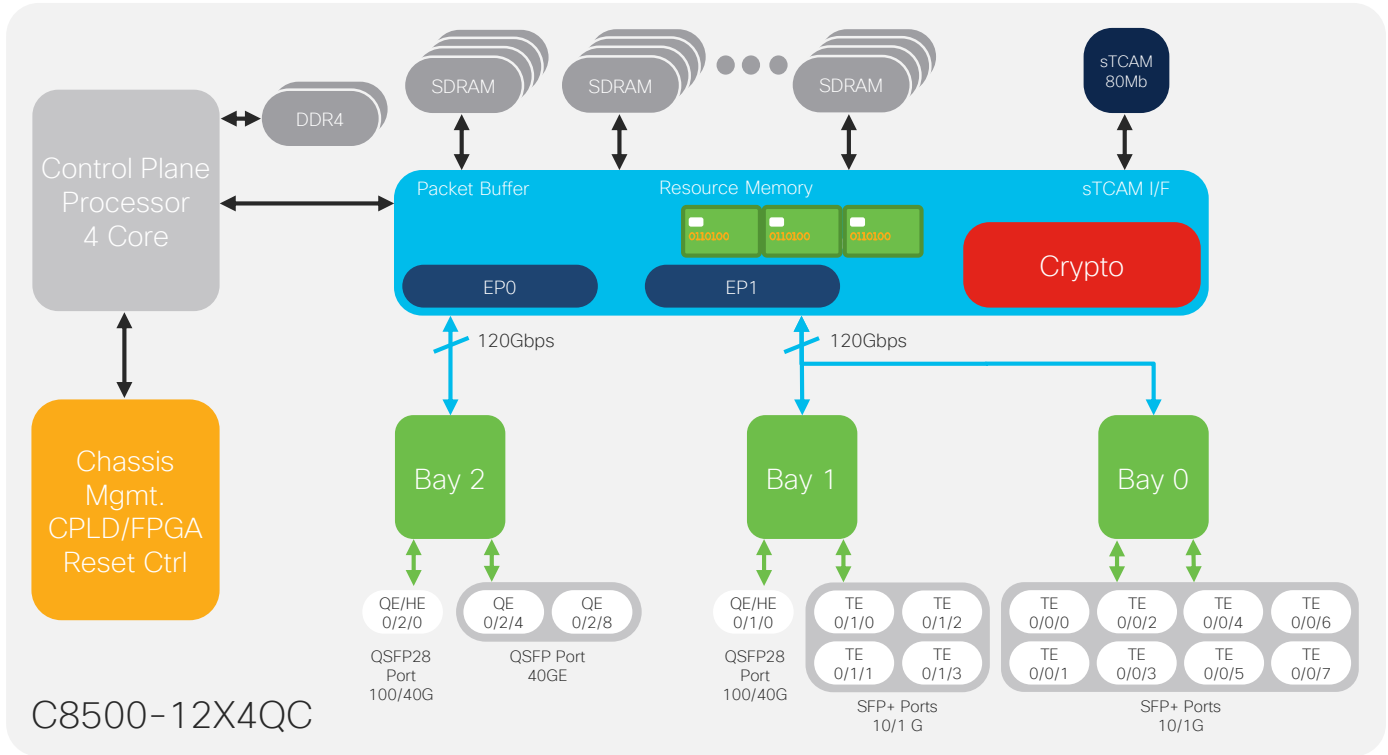
Third Generation QFP

Built-in L2 Sub-system

Built-in Cryptography

Life of a Packet

-  IP CEF Traffic
-  Crypto Traffic
-  RP Control Traffic
-  IP Multicast Traffic



IOS XE

Software Architecture



Ready on Day-0

IOS XE Richness



L2VPN SD-WAN Aggregation

Business VPNs

NAT Firewall

Internet Gateway

IPsec Gateway

Traditional Routing

IPsec Aggregation

High End Branch

Route Reflector

Catalyst 8500 Series

Secure WAN Aggregation

MPLS, L2/L3VPN

NAT, CGN

VXLAN, OTV

Data Center Interconnect

IOx App-Hosting

Key Server

Services Performance

Cloud Gateway

MACsec

L4-L7 Services

Synchronous Ethernet

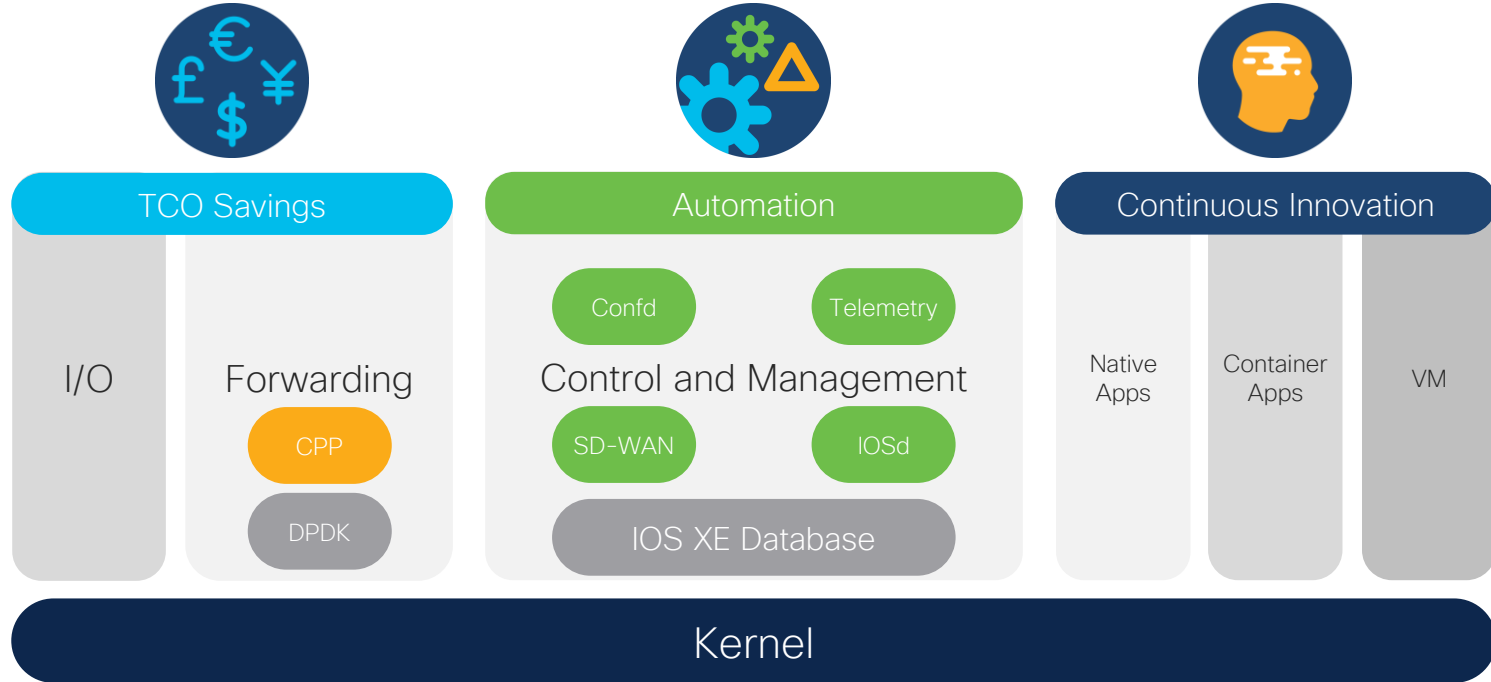
WAN Aggregation

Cisco Catalyst 8500 Series inherits IOS XE Routing, SD-WAN features!

Open IOS XE – A Modern Operating System

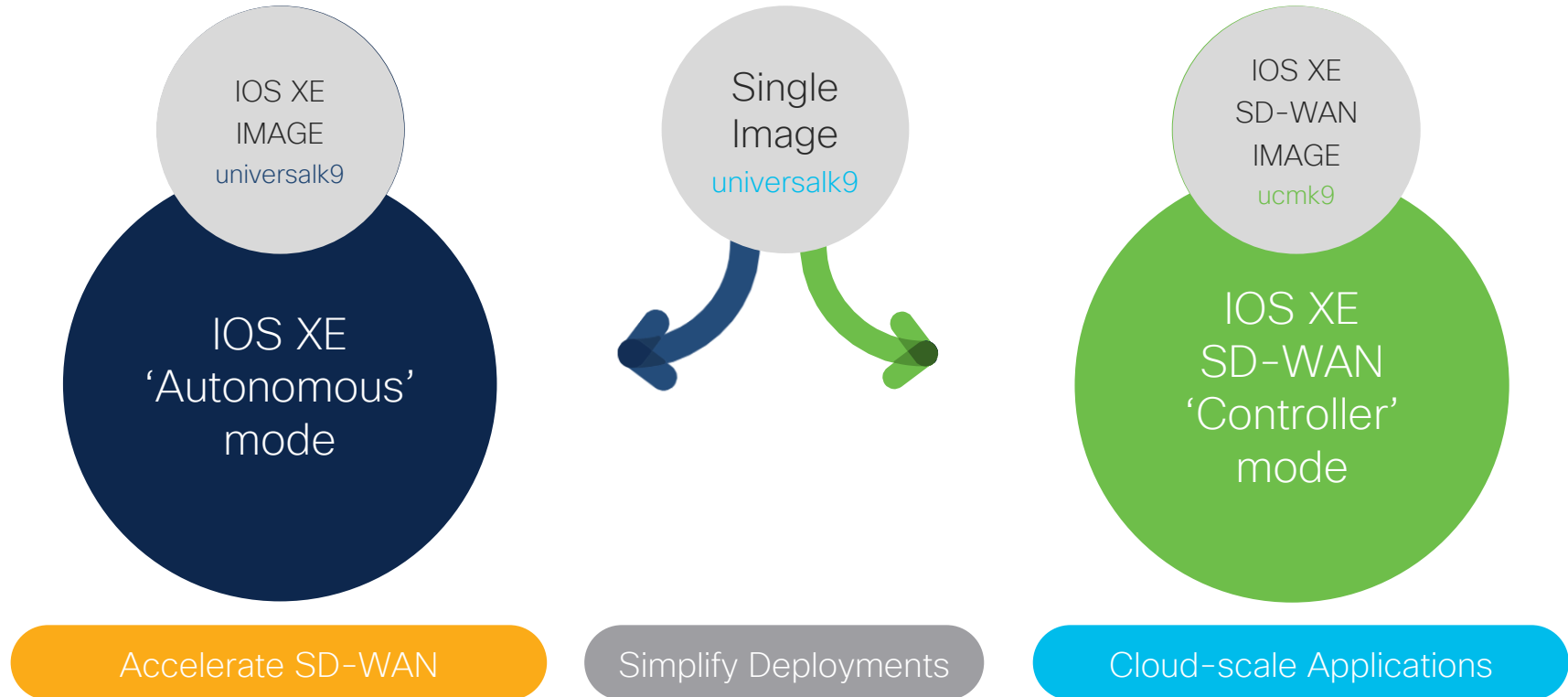


Open and Extensible
IOS XE

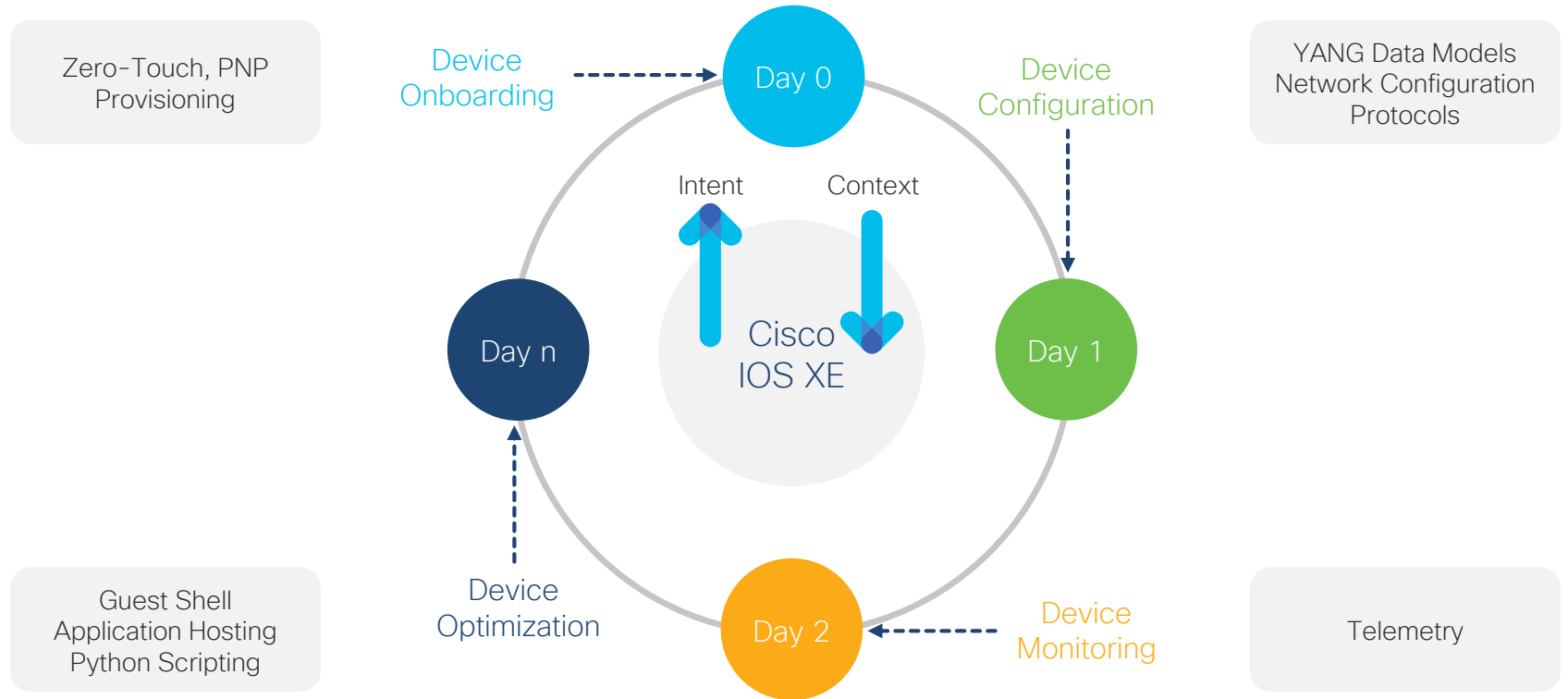


Open, API, Model Driven & Secure Operating Systems

Easy Operations with Single Image



Programmability Device Lifecycle Phases



Catalyst 8500

Product Comparison



Catalyst 8500 Edge vs ASR 1000



C8500-12X vs ASR1001-HX



C8500-12X4QC vs ASR1002-HX

ASR1002-HX vs C8500-12X4QC

Product Comparison

Up to 18Gbps SD-WAN, 6000 tunnels

Up to 100Gbps CEF, 25Gbps Crypto

8M NAT/PAT, 12M CGN Sessions

4GB DP Memory, 232K Queues

Ports: 8x 1G, 8x 10G, One EPA Slot

16GB to 32GB upgradable DRAM

QFP 2.0, Extra Crypto HW

Up to 33Gbps SD-WAN, 8000 tunnels

Up to 200Gbps CEF, 46Gbps Crypto

16M NAT/PAT, 32M CGN Sessions

32GB DP Memory, 256K Queues

Ports: 12x 1/10G, 2x 40/100G, 2x 40G

16GB to 64GB upgradable DRAM

QFP 3.0, Inbuilt Crypto & L2



All perf numbers are aggregate IMIX for Crypto throughput

ASR1001-HX vs C8500-12X

Product Comparison

Up to 11.5Gbps SD-WAN, 6000 tunnels

Up to 60Gbps CEF, 16Gbps Crypto

2M NAT/PAT, 4M CGN Sessions

1GB DP Memory, 116K Queues

Ports: 8x 1G, 4x 10G, 4x 1/10G

16GB to 32GB upgradable DRAM

QFP 2.0, Extra. Crypto HW

Up to 23Gbps SD-WAN, 8000 tunnels

Up to 120Gbps CEF, 30Gbps Crypto

12M NAT/PAT, 24M CGN Sessions

32GB DP Memory, 256K Queues

Ports: 12x 1/10G

16GB to 64GB upgradable DRAM

QFP 3.0, Inbuilt Crypto & L2

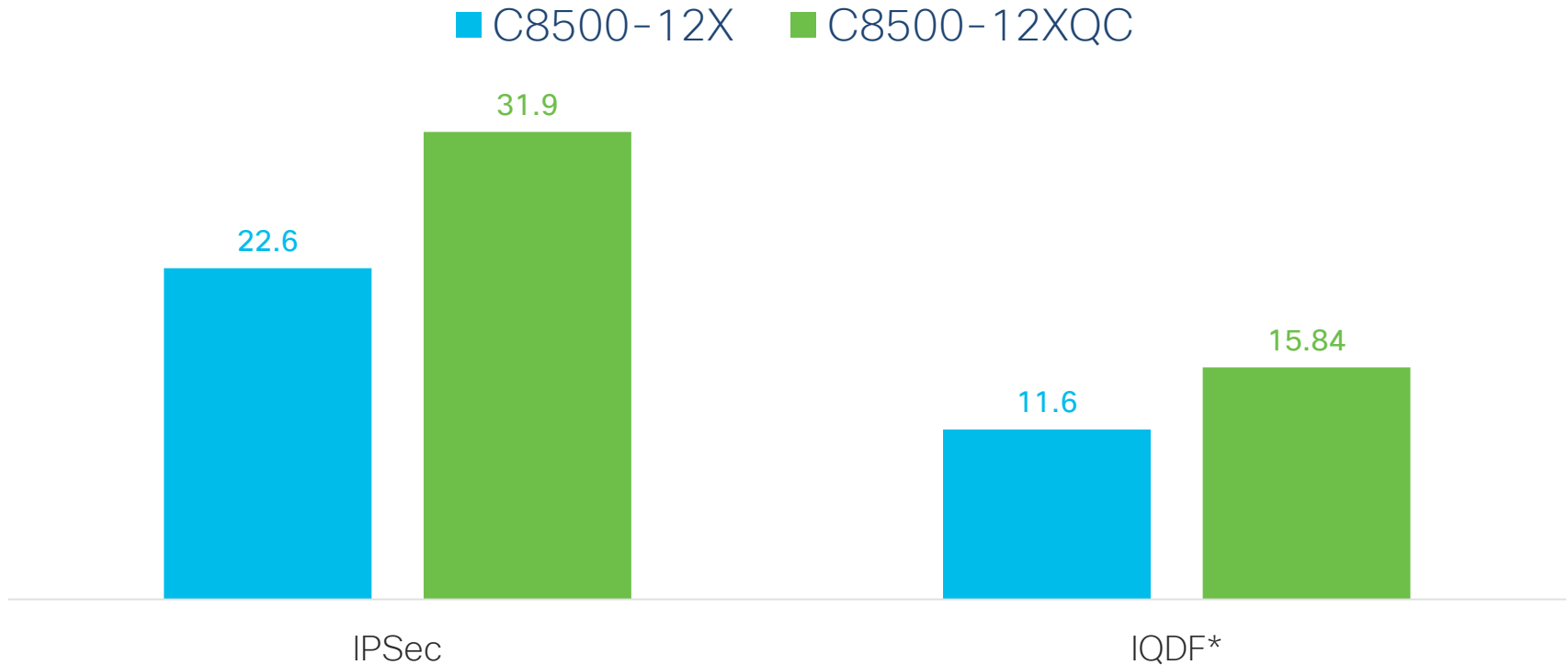


All perf numbers are aggregate IMIX for Crypto throughput

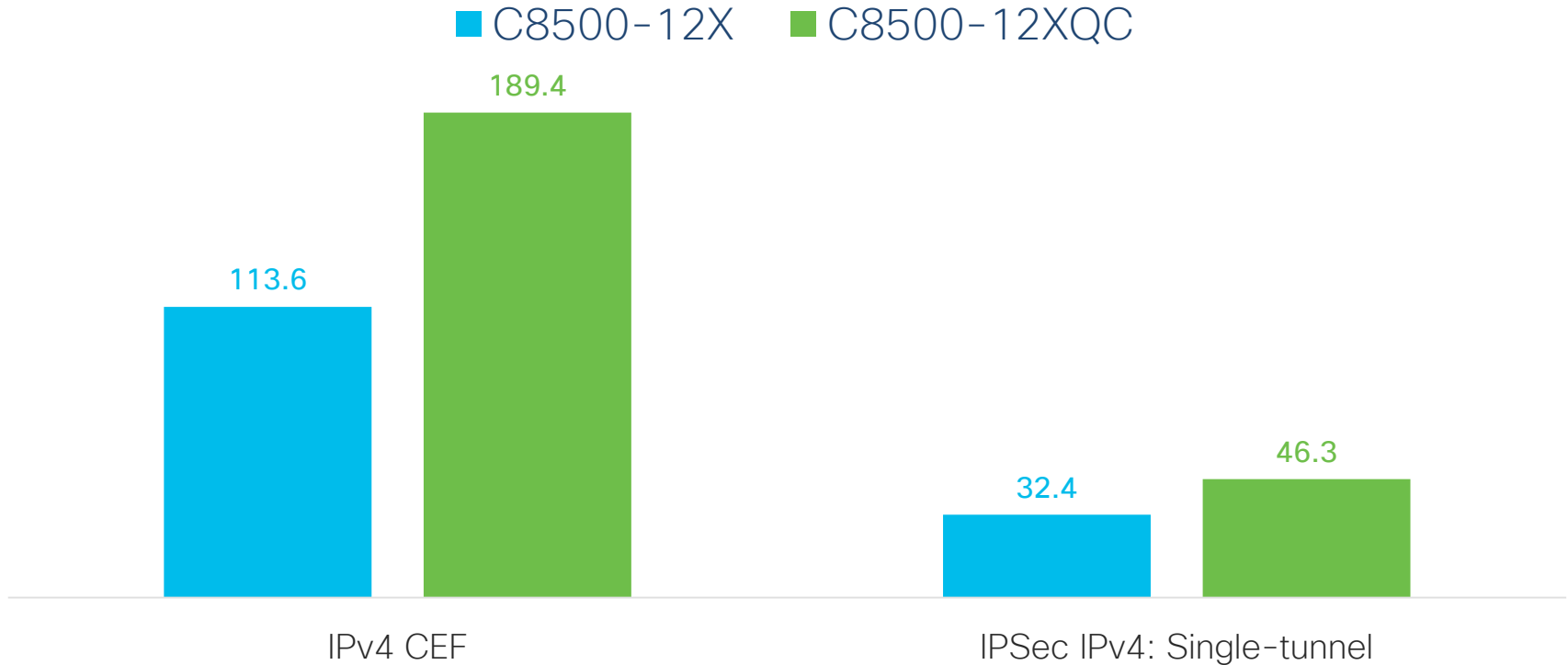


Catalyst 8500 Performance and Scale

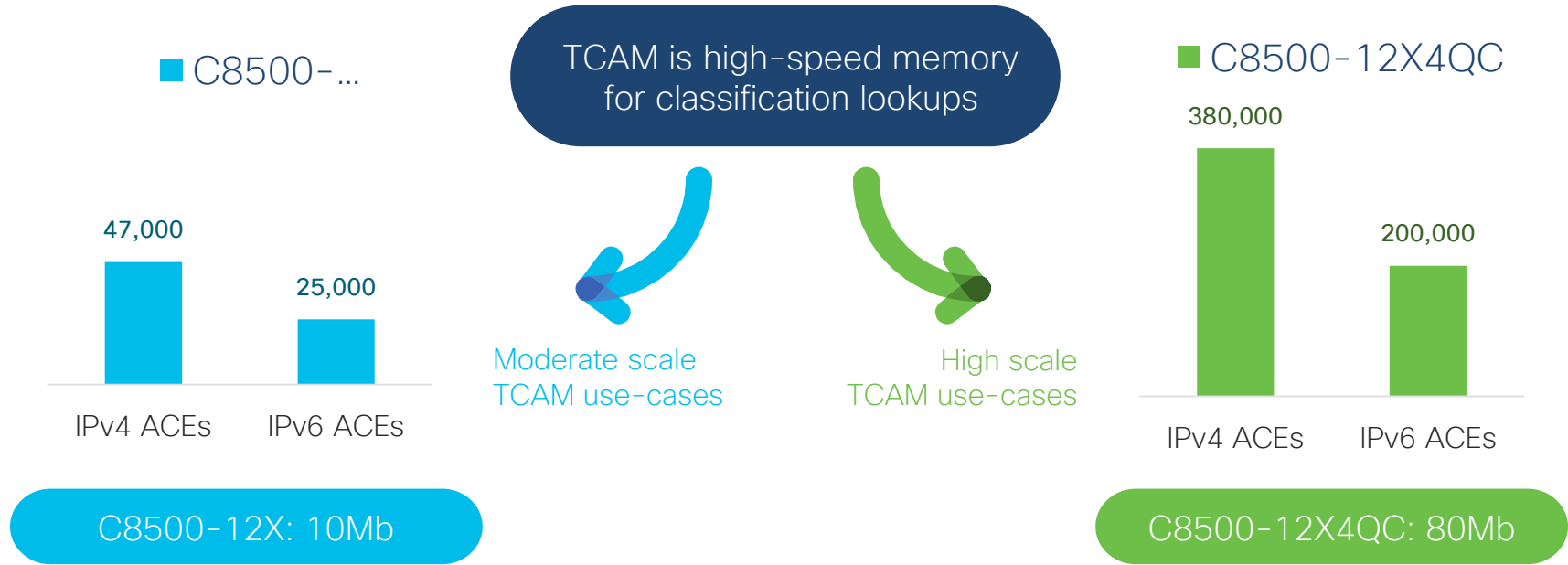
SD-WAN Throughput Performance



IOS XE IPsec Throughput Performance



Catalyst 8500 TCAM Capacity




Select C8500-12X4QC for high TCAM scale use-cases

Polling Question #2

Which Catalyst 8500 Platform is more suitable for your use-case?

- C8500-12X4QC
- C8500-12X
- None



Catalyst 8500 Solutions and Use-cases



Cisco Catalyst 8500 Series Edge Platforms

Best Platform for SD-WAN Aggregation

01 Improved Data Plane

02 Accelerated SD-WAN Services

03 High Speed Multicloud Access

04 Highly Scalable Control Plane

3rd Generation Quantum
Flow Processor



Hardware
Accelerated Services



Up to 8000 SD-WAN
IPsec Tunnels



High Speed DIA, DCA
100/40/10/1G Ports



Catalyst 8500 for SD-WAN

Data Center Hub, Campus Edge

100G, 40G Port Connectivity

High Speed DIA, DCA

Headend Multicast Replication

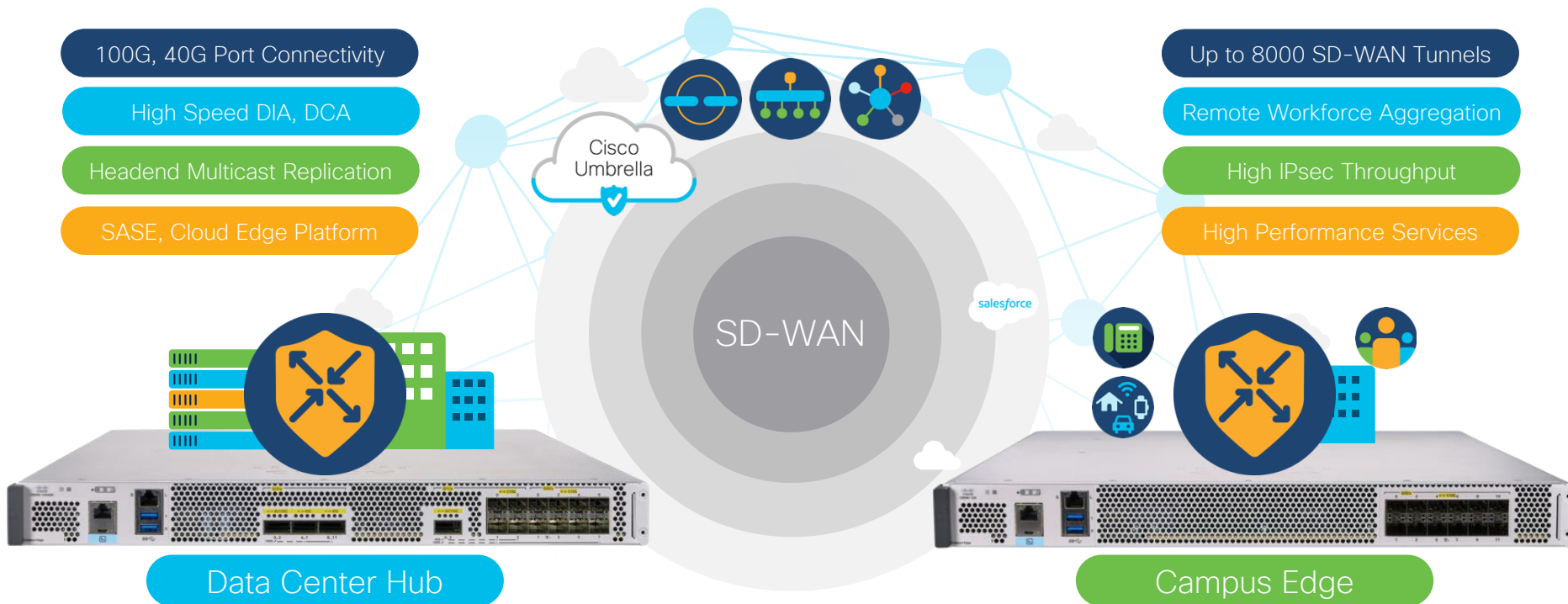
SASE, Cloud Edge Platform

Up to 8000 SD-WAN Tunnels

Remote Workforce Aggregation

High IPsec Throughput

High Performance Services



Catalyst 8500 for Cloud-Scale, Co-location

Large capacity in small form factor

Cloud MSP: Edge, CPE

Rich Features

Multi-tenant, VRF Aware

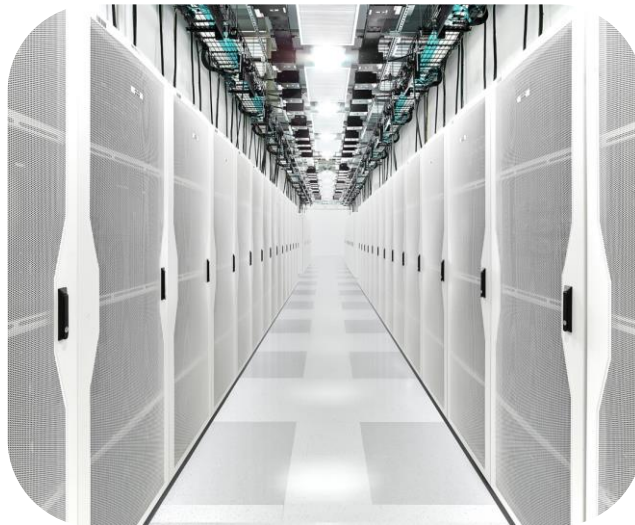
VxLAN

Route Scale

Convergence Services

IPsec, NAT, Firewall

B2B Redundancy



Co-lo, Cloud Gateway

Highly Scalable

8000 VRFs

4M IPv4, IPv6 Routes

16M NAT, 32M CGN

6M Firewall Sessions

Up to 8000 IPsec Tunnels

WAN MACsec on all ports

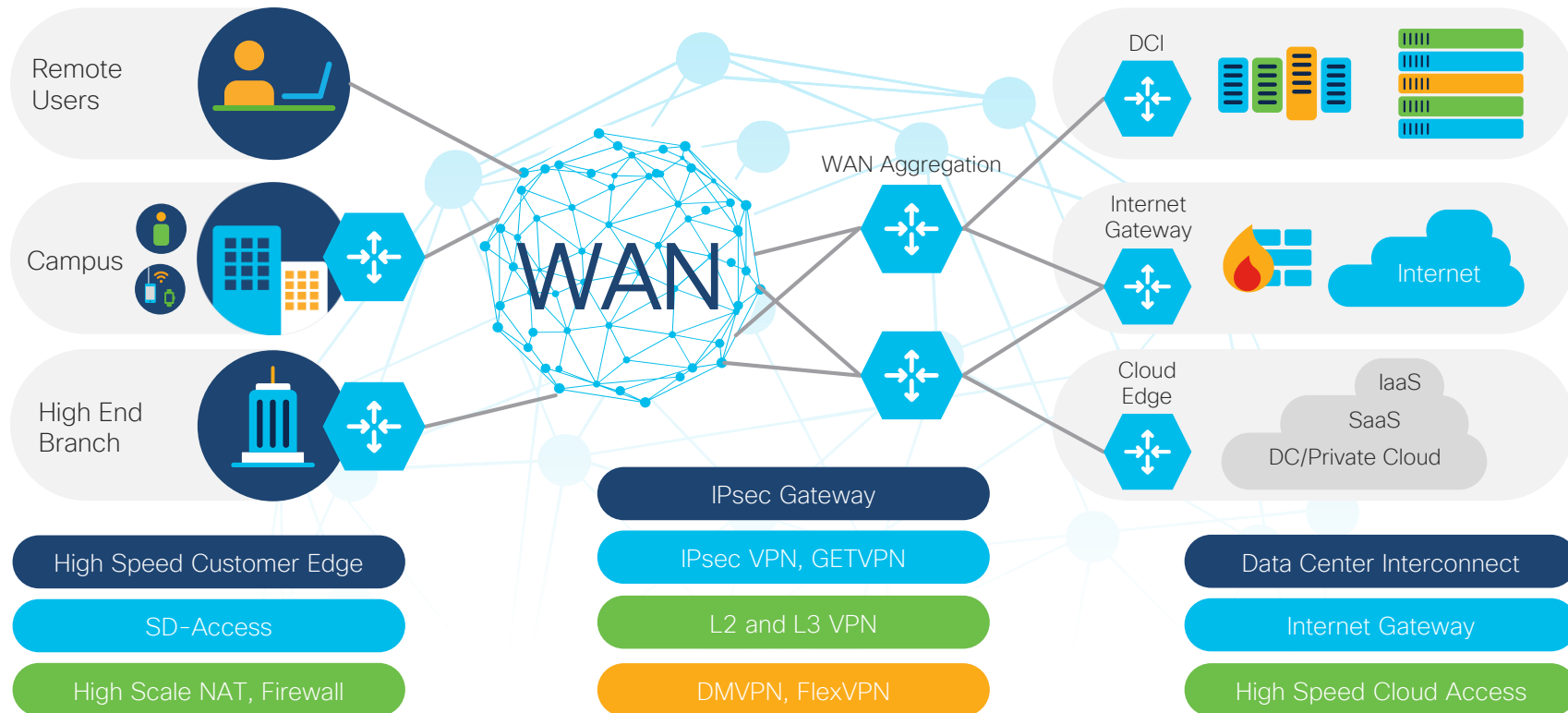
Port Flexibility: 100/40/10/1G

Small 1 RU form factor

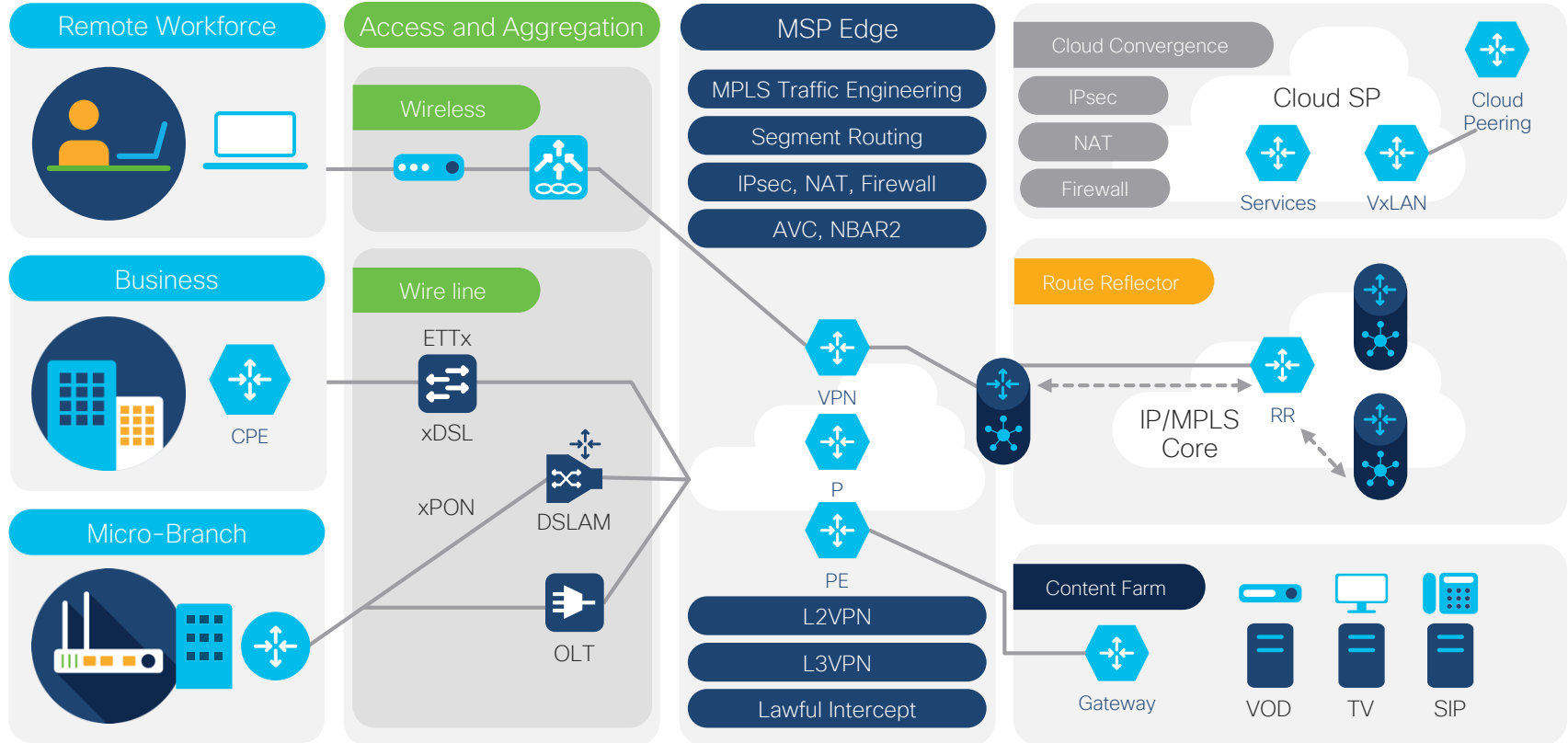
Platinum Power Efficiency

Catalyst 8500 for Enterprise Networks

Traditional Routing Headend Applications



Catalyst 8500 Edge for MSP Applications



Catalyst 8500: One Platform, Many Solutions

SD-WAN

High Speed DIA, DCA
Headend Multicast Replication
Feature Inheritance
40GE, 100GE
Port Connectivity

Internet Gateway

High Throughput Performance
High Scale NAT, AVC, Firewall
Direct Internet Access
1G/10G/40G/100GE
Port Offering

Cloud GW, CoLo

Multi-Tenant, VRF Aware
High Scale NAT, AVC, Firewall
Inter VRF
Communication-VASI
Stateless/Stateful
Box-to-Box Redundancy

Secure WAN

Site-to-site, Remote
Access VPN
GETVPN, DMVPN, FlexVPN,
IPsecGRE, sVTI
High Scale NAT, AVC, Firewall
Cisco WAN MACsec

SD-Access

Control-Plane Node
Border Node
SD-A/SD-WAN Multi-Domain

DCI

EoMPLS, L2TPv3,
VPLS, MPLS
Overlay Transport Virtualization
VxLAN
Cisco WAN MACsec

Network Infra

MPLS, Segment Routing
L2VPN, L3VPN
mVPN
MPLS-TE
AVC, H-QoS
Route Reflector

Cloud MSP

Multi-Tenant, VRF Aware
VxLAN
Route Scale
Convergence Services
IPsec, NAT, Firewall
B2B Redundancy

Catalyst 8500

Inherits Cisco ASR 1000 features for IOS XE and IOS XE SD-WAN use-cases

Polling Question #3

What use-case are you most interested in deploying Catalyst 8500 Edge Platforms?

- SD-WAN Headend
- Internet Gateway
- Cloud Gateway / Co-Lo Platform
- Secure WAN Aggregation
- Data Center Interconnect
- SD-Access

Summary



Cisco Catalyst 8500 Series Edge Platforms

Highly Capable 1RU SD-WAN Headend



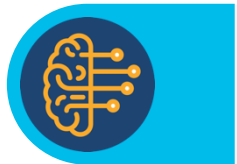
Ready for the Agile Cloud Journey

High Speed Cloud Access
Multi-Cloud Application Optimization
Compact, Powerful 1RU Platforms



Ready for 5G, Edge Compute

3rd Generation QFP In-Line Crypto
SASE driven Feature Innovations
Improved Services Performance



5G Ready Edge Intelligence

High End Aggregation 100/40/10/1GE
Port flexibility
Multi-Domain Intent Based Networking



Equipped with User Centric Design

Operational Ease for better Tracing
Passive UHF Radio Frequency ID
Easy Access Label Tray
Field Replaceable FAN Tray

1st 100/40GE Port
1RU SD-WAN
Platform



3rd Gen QFP, HW
Accelerated
Services



Up to 200Gbps
CEF Aggregate
Throughput



Built-in Interface
Flexibility
100/40/10/1GE

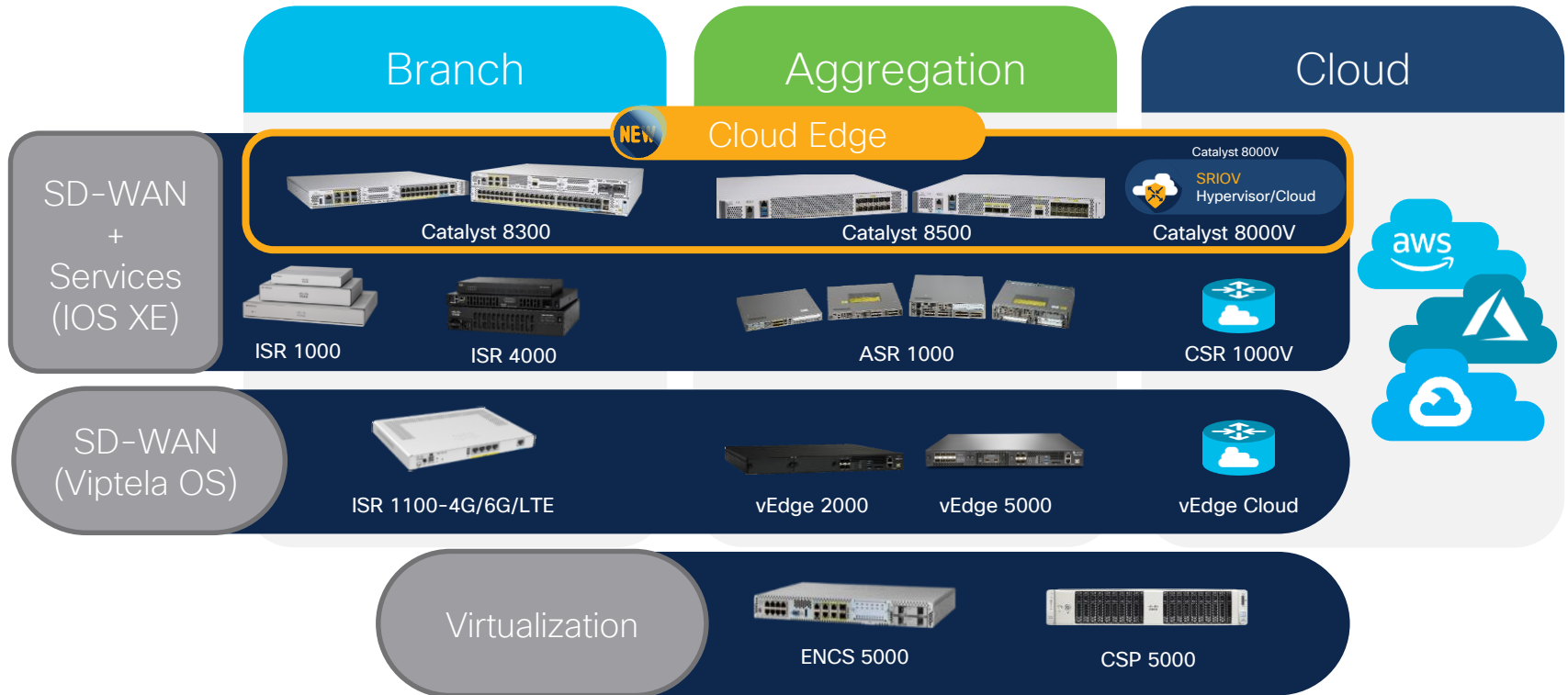


High Performance
IPsec, MACSec



Highly
Programmable

The Broadest Set of SD-WAN Platforms



References



Catalyst 8500 Series Edge Platforms

- Datasheet:
<https://www.cisco.com/c/en/us/products/collateral/routers/catalyst-8500-series-edge-platforms/datasheet-c78-744089.html>
- Frequently Asked Questions:
<https://www.cisco.com/c/en/us/products/collateral/routers/catalyst-8500-series-edge-platforms/q-and-a-c67-744086.html>
- Ordering Guide:
<https://www.cisco.com/c/en/us/products/collateral/routers/catalyst-8500-series-edge-platforms/guide-c07-744092.html>

Catalyst 8300 Edge Platforms

- Datasheet:
<https://www.cisco.com/c/en/us/products/collateral/routers/catalyst-8300-series-edge-platforms/datasheet-c78-744088.html>
- Frequently Asked Questions:
<https://www.cisco.com/c/en/us/products/collateral/routers/catalyst-8300-series-edge-platforms/q-and-a-c67-744085.html>
- Ordering Guide:
<https://www.cisco.com/c/en/us/products/collateral/routers/catalyst-8300-series-edge-platforms/guide-c07-744100.html>

Catalyst 8000V Edge Platforms

- Datasheet:
<https://www.cisco.com/c/en/us/products/collateral/routers/catalyst-8000v-edge-software/datasheet-c78-744101.html?oid=dstetr023051>
- Frequently Asked Questions:
<https://www.cisco.com/c/en/us/products/routers/catalyst-8000v-edge-software/index.html>

Catalyst Cellular Gateway

- Datasheet:
<https://www.cisco.com/c/en/us/products/collateral/routers/catalyst-cellular-gateways/data-sheet-c78-744210.html>
- Frequently Asked Questions:
<https://www.cisco.com/c/en/us/products/collateral/routers/catalyst-cellular-gateways/q-and-a-c67-744212.html>
- Ordering Guide:
<https://www.cisco.com/c/en/us/products/collateral/routers/catalyst-cellular-gateways/guide-c07-744211.html>

Catalyst 8000 Blogs

- blogs.cisco.com: <https://blogs.cisco.com/networking/catalyst-8000-edge-platforms?dtid=osscdc000283>
- Cisco Community:
 - The New Era of WAN – an ASIC innovation story
<https://community.cisco.com/t5/networking-blogs/the-new-era-of-wan-an-asic-innovation-story/ba-p/4175243>
 - ‘Cisco Catalyst 8000 Edge Platforms Family, What’s under the hood?’
<https://community.cisco.com/t5/networking-blogs/cisco-catalyst-8000-edge-platforms-family-what-s-under-the-hood/ba-p/4177121>

Catalyst 8000 Blogs

- **sdxcntral:** <https://www.sdxcntral.com/articles/news/cisco-unifies-services-routers-under-catalyst-umbrella/2020/10/>
- **zdnet:** <https://www.zdnet.com/article/cisco-debuts-new-catalyst-family-of-wan-edge-platforms/>
- **Networkworld:** <https://www.networkworld.com/article/3586590/cisco-targets-wan-edge-with-new-router-family.html>
- **eweek:** <https://www.eweek.com/networking/cisco-systems-brings-some-muscle-to-sd-wan>
- **err-disable:** <https://err-disable.com/the-new-routers-are-here-cisco-catalyst-8000-series/>

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App

- Cisco Technical Support



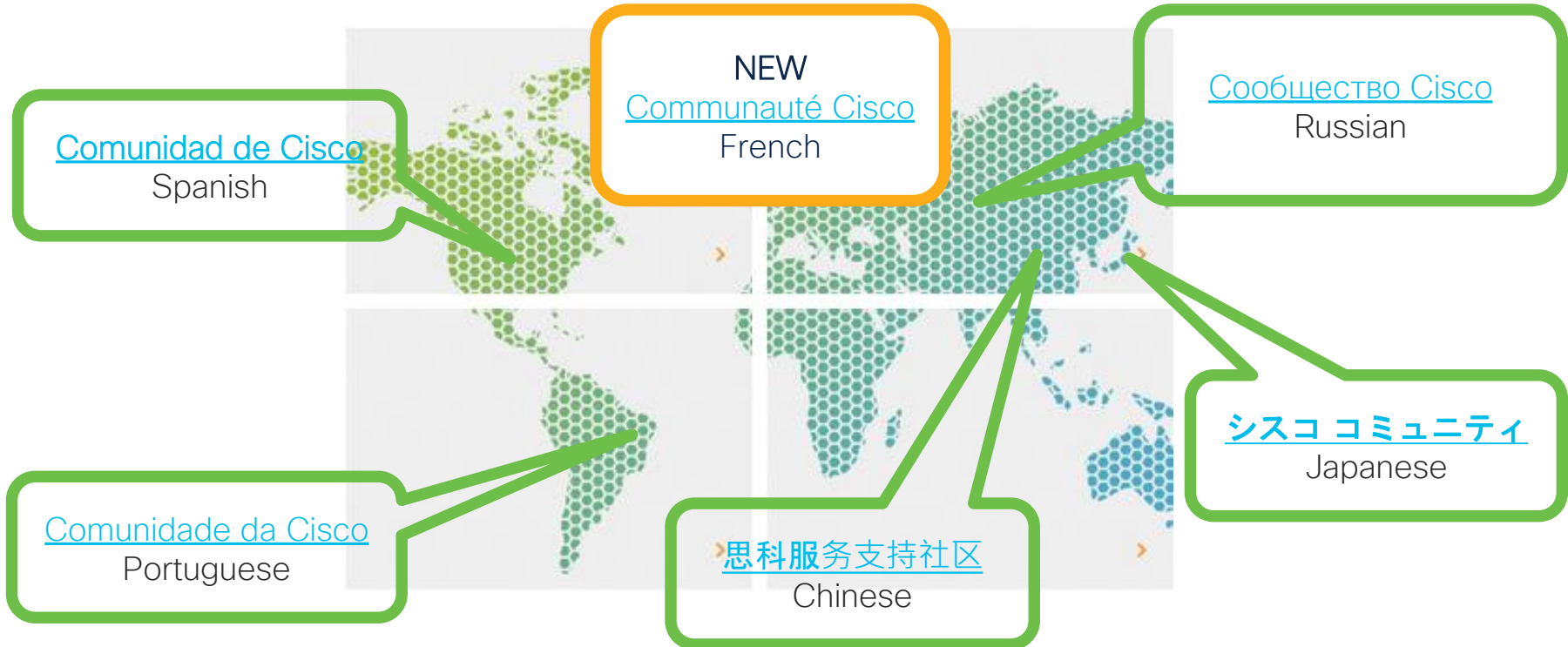
LinkedIn

- Cisco Community
- <http://bit.ly/csc-linked-in>



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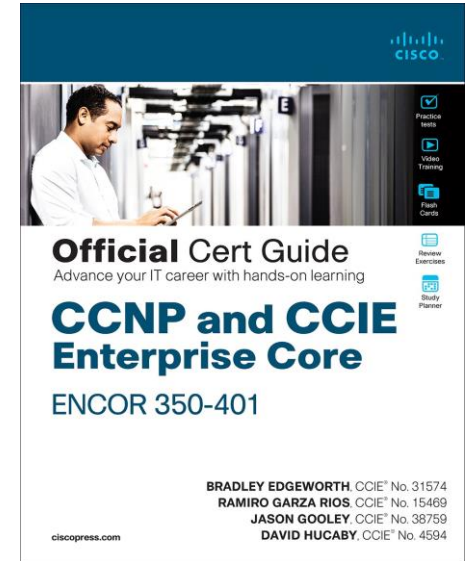
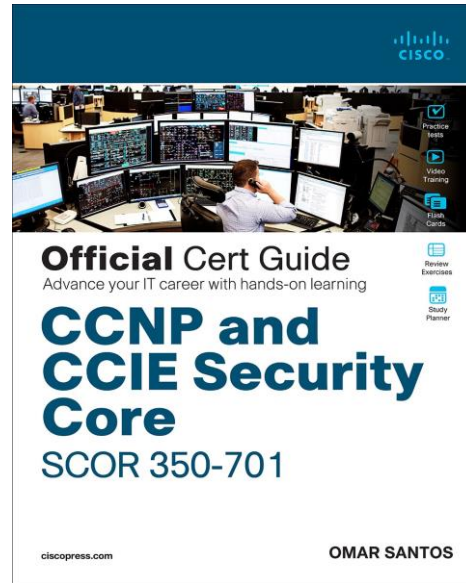
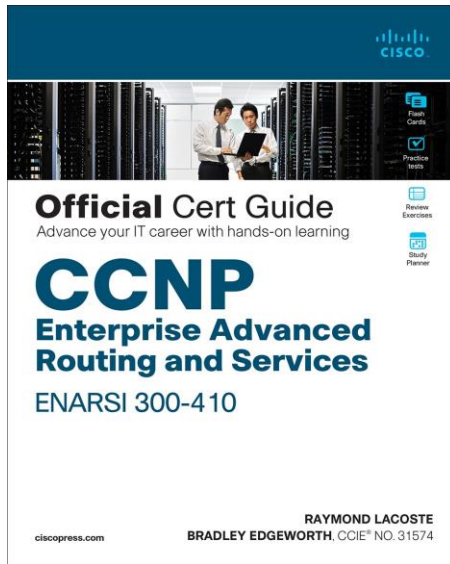
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