Cisco Tech Day

Denver

March 3, 2026

Cisco Unified Edge

Cisco Tech Day
Denver

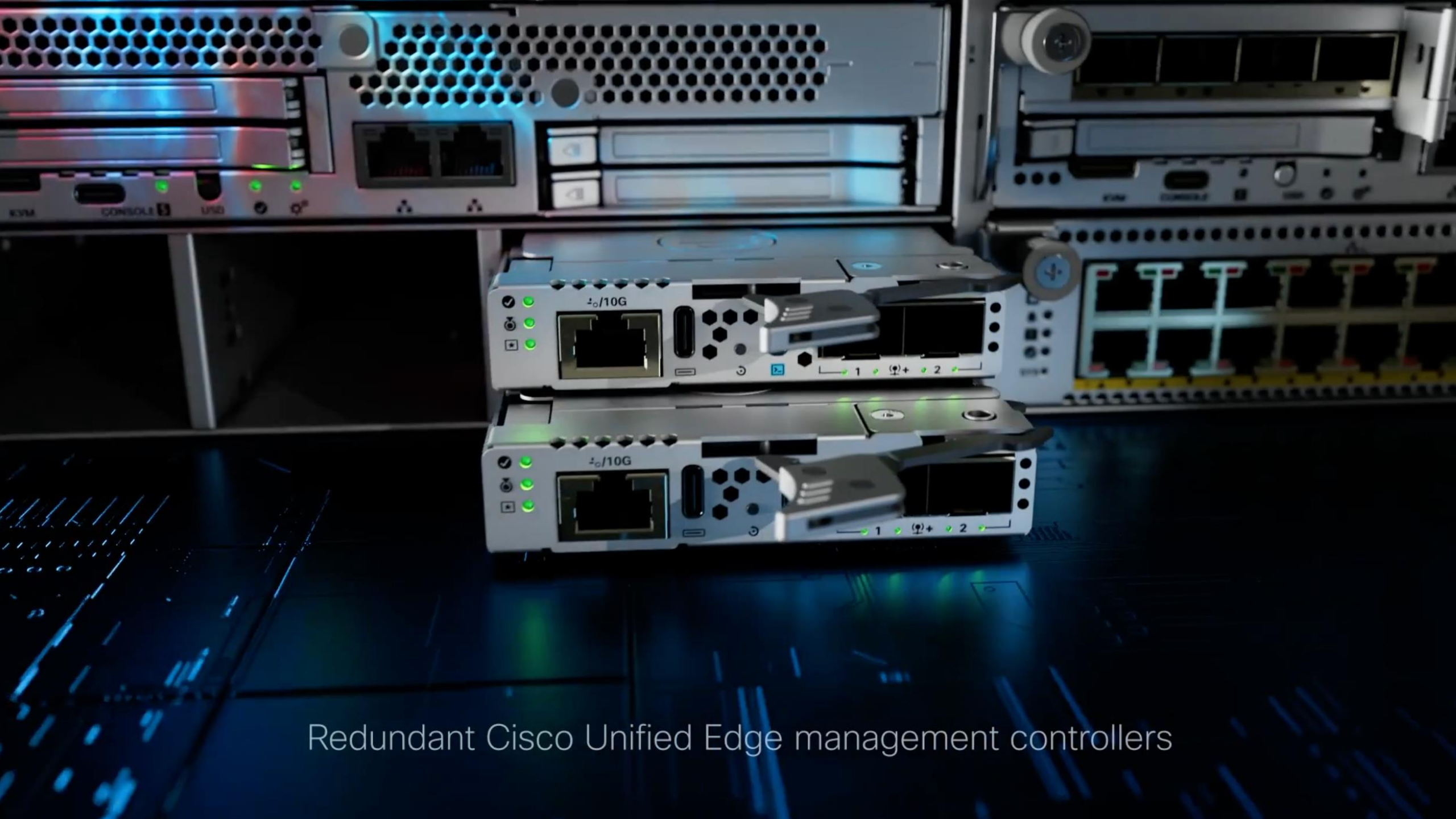
Will Wetherington

Solution Engineer


18 inches deep
19 inches wide

Fully Loaded Weight	Temperature Range
82.5 lbs	41 °F to 113 °F
37.5 kg	5 °C to 45 °C

XE9305 Chassis



Redundant Cisco Unified Edge management controllers

eCMC Port Layout

*25Gb uplink and 10Gb management support Post-FCS

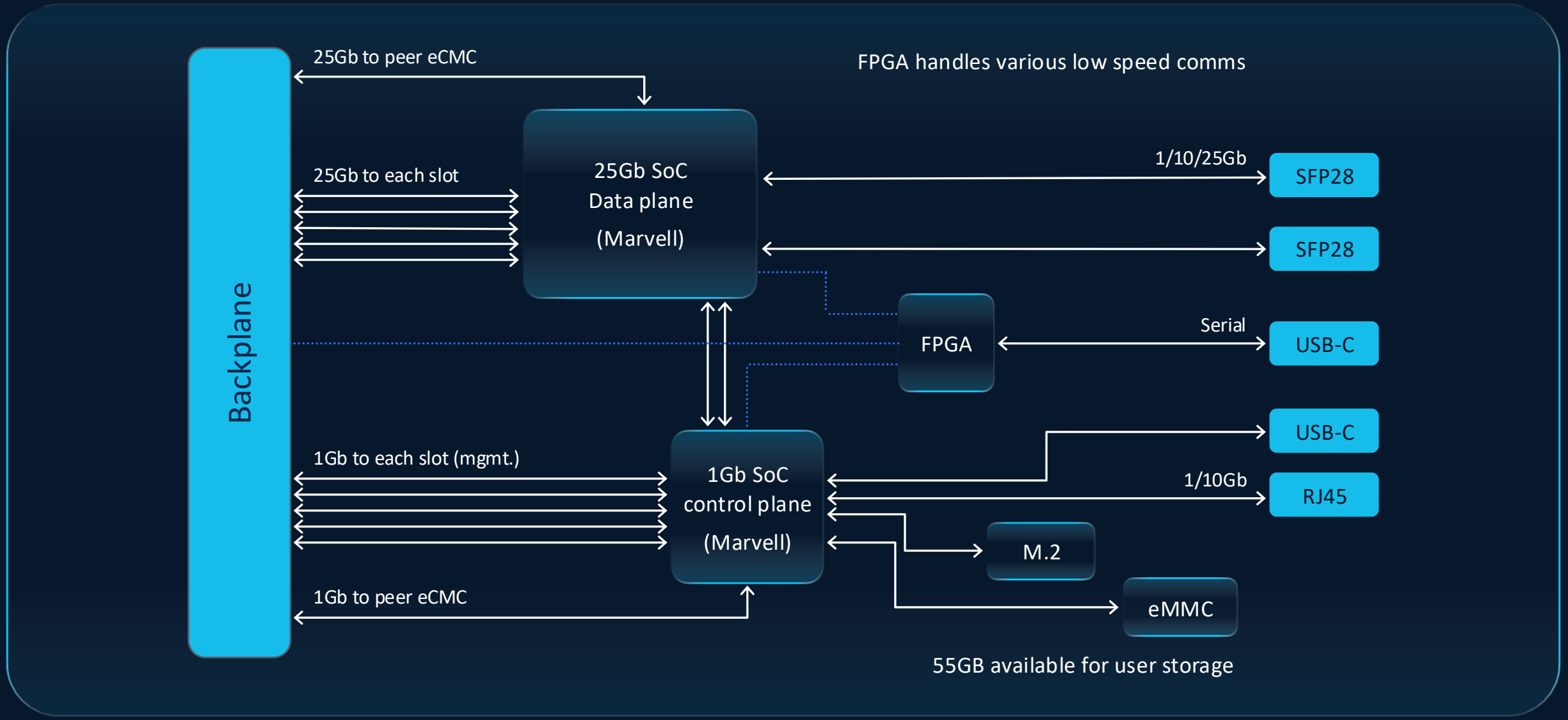
Dual 1/10/25Gb* uplinks
No disjoint L2 at FCS; if 2 links are in use, they must be a port channel

Serial console access
for recovery console

USB-C port
for local file transfer, BTE (Bluetooth Ethernet), etc.

1/10Gb* Management port
for chassis management and tunneled KVM

eCMC Block Diagram Simplified



eCMC User Storage

Image staging

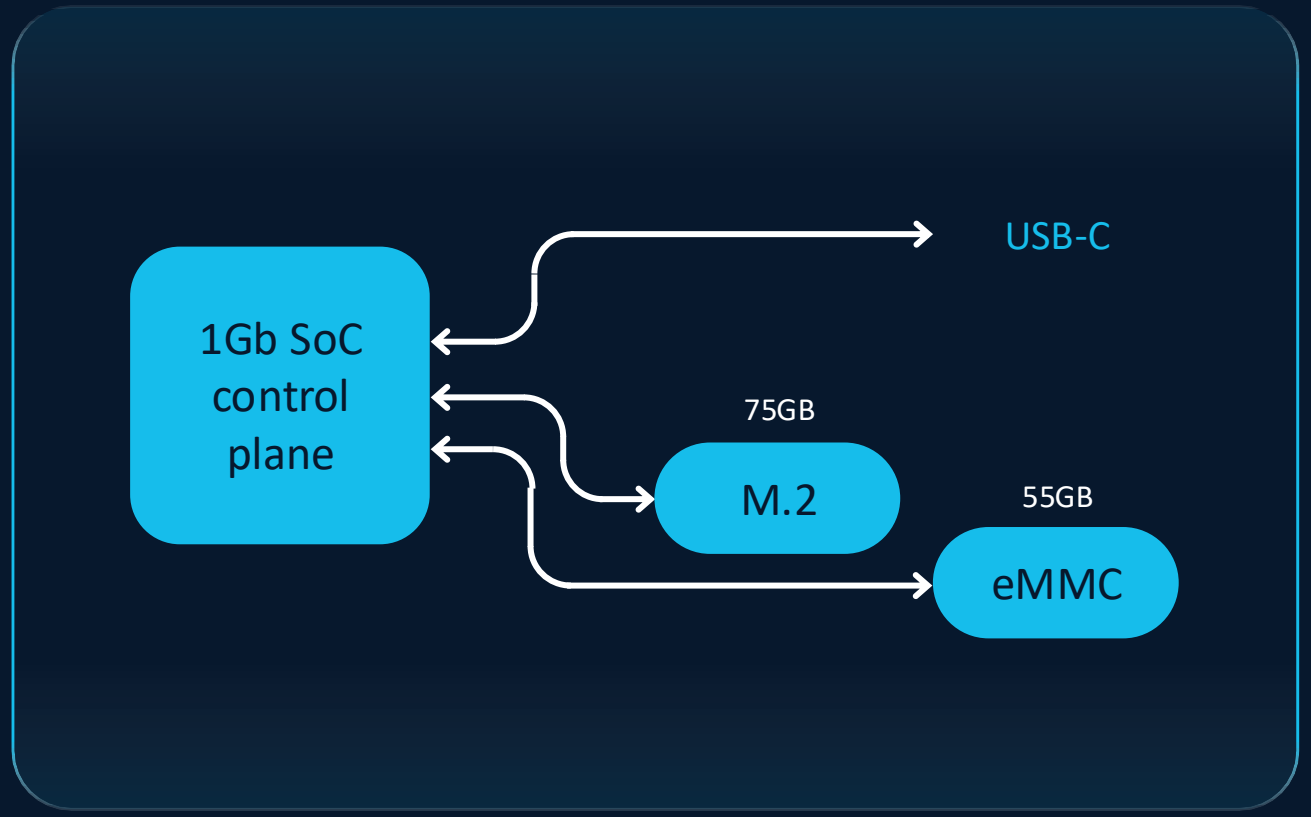
01 A 75GB optional M.2 can be ordered

- If present in both eCMC, M.2 is primary storage location for Intersight image cache

02 Intersight DC will keep their image cache synchronized between eCMCs

03 External USB devices used to copy to M.2 or eMMC

04 External USB devices will not be mounted as virtual media



Device Console

Chassis Power On/Off

Launch KVM

Locator LED On/Off

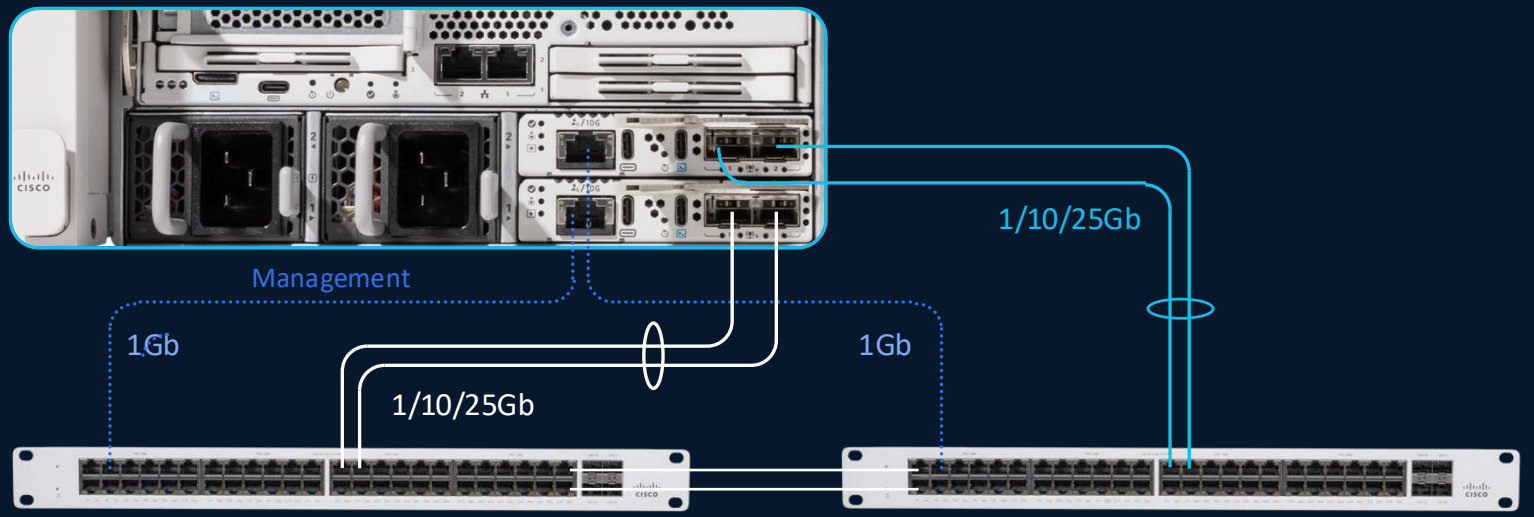
Generate Tech Support Bundle

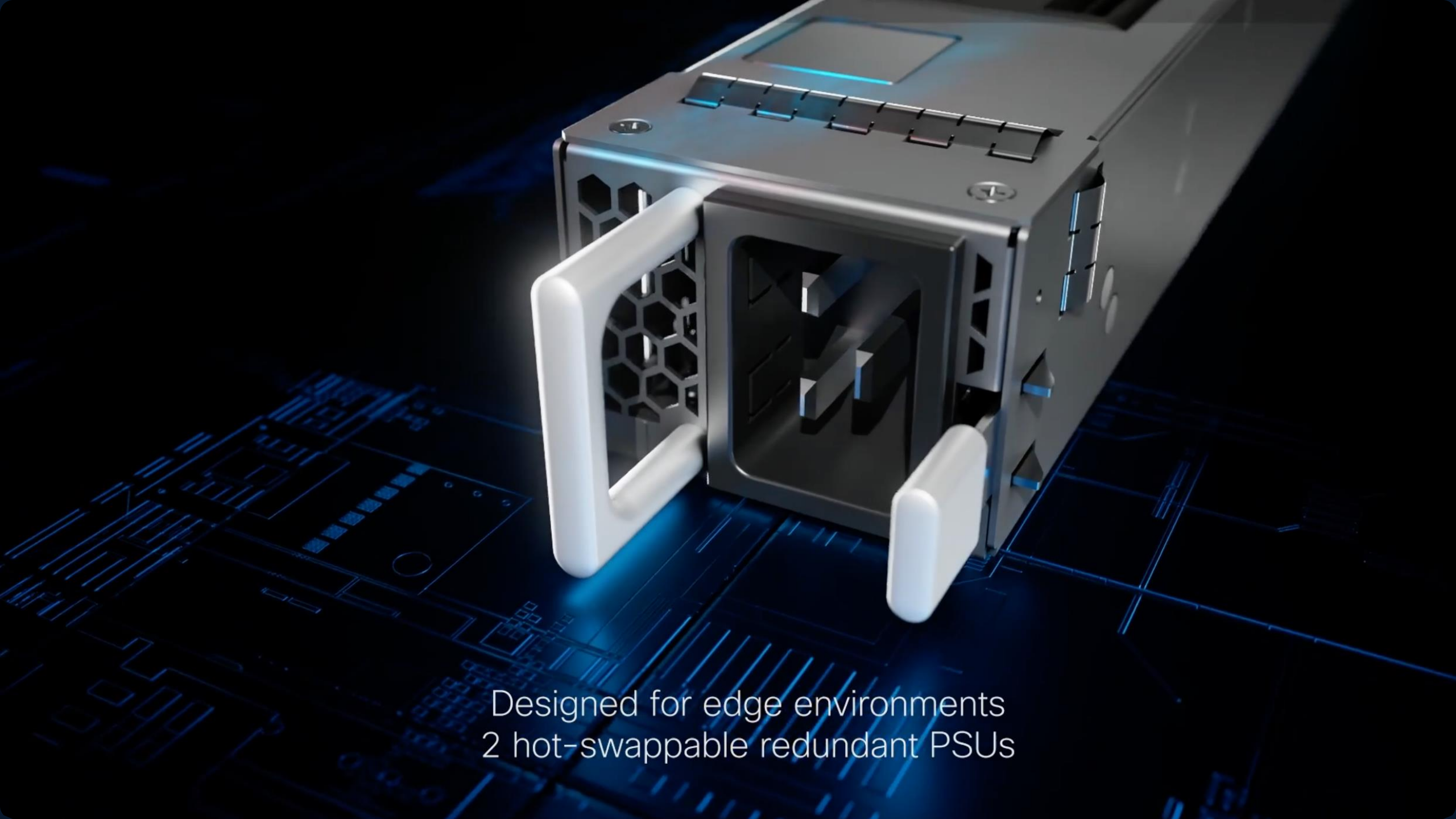
Common connection scenario

01 Management requires its own uplinks at FCS

02 One or two uplinks for data plane from each eCMC

03 If two links are used, they must be port-channeled




Designed for edge environments
2 hot-swappable redundant PSUs

Redundant Power Supplies

	High Line (220V)	Low Line (110V)
	180-264V	90-140V
Total Grid Power	2400W	1300W
Slots Supported	5	5 (may be power capped)

Power policies

- Grid / non-redundant
- Power limit: no
- Power priority: no
- Power rebalance: no
- Extended mode: no

Cisco Unified Edge

Power Supplies

Available Now	Configurable for Grid Redundancy
C20 inlet requires C19 power cable	Titanium Rated
2400W @ 200-240 VAC	1300W @ 100-127 VAC

2 new PSUs are coming in 2026	2400W @ 48-72 VDC	3200W @ 200-240 VAC

Power Allocation

70 Watts per Fan
x 5 Fans
350 Watts

26 Watts for internal chassis components

20 Watts per eCMC
x 2 eCMC
40 Watts

416W Chassis Power Reservation

	Total Grid	Chassis Reservation	Available for Nodes
High Line Power	2400 Watts	416 Watts	1984 Watts
Low Line Power	1300 Watts	416 Watts	884 Watts

Personalized

Serviceable

Modular

Status LEDs

Easy-to-read simplified health and status indicators

2x 2400W PSUs

N+N redundancy capable

2x Management controllers

Fully redundant

Tool-less, hot swappable modules

Automated configuration upon replacement

Built-in redundancy and resiliency

Real-time health monitoring

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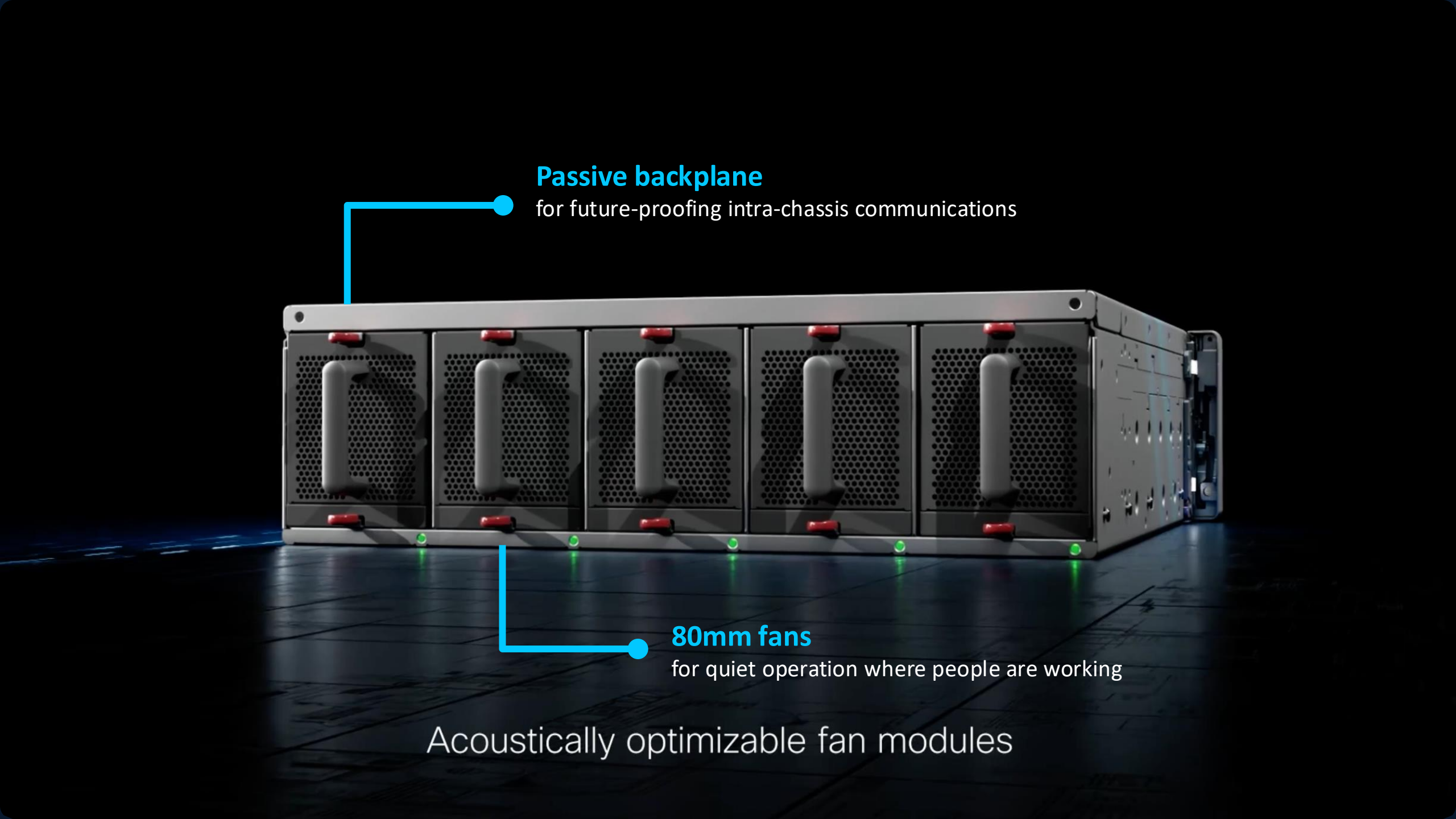
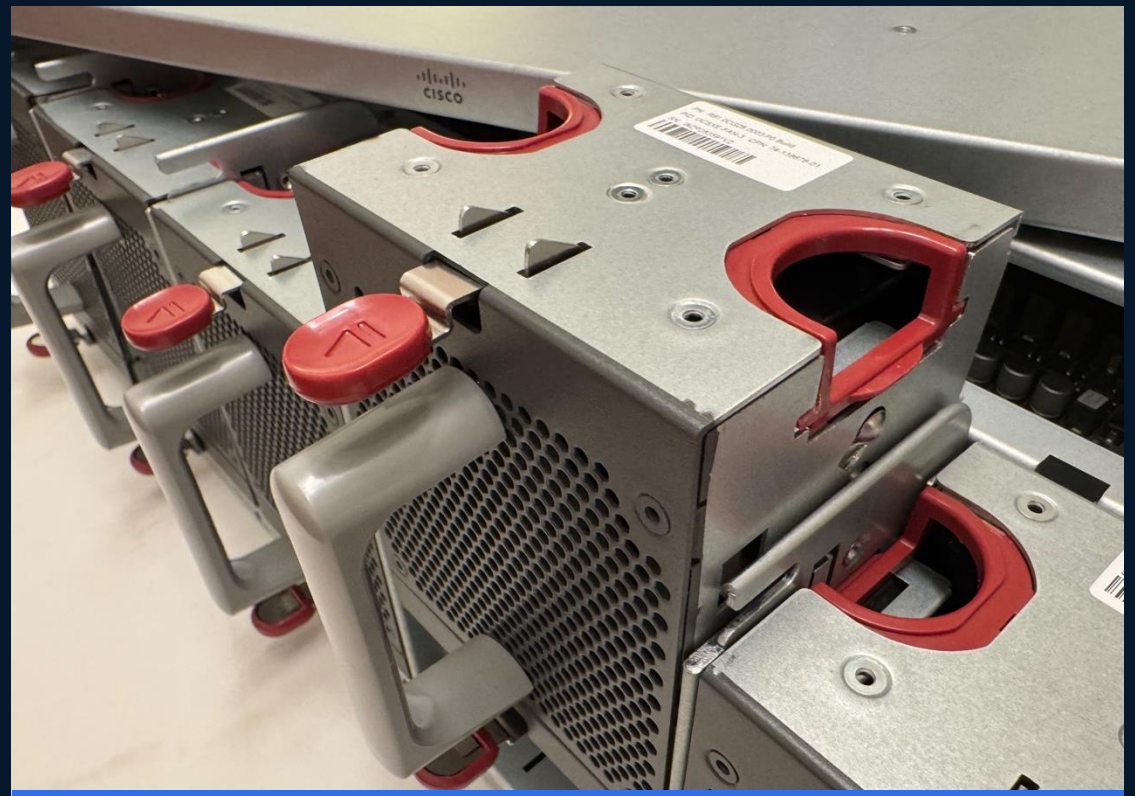

Passive backplane
for future-proofing intra-chassis communications
80mm fans
for quiet operation where people are working
Acoustically optimizable fan modules

XE9305 Chassis Rear View



Hot plug fans removed from the top

Hot plug fans removed from the back

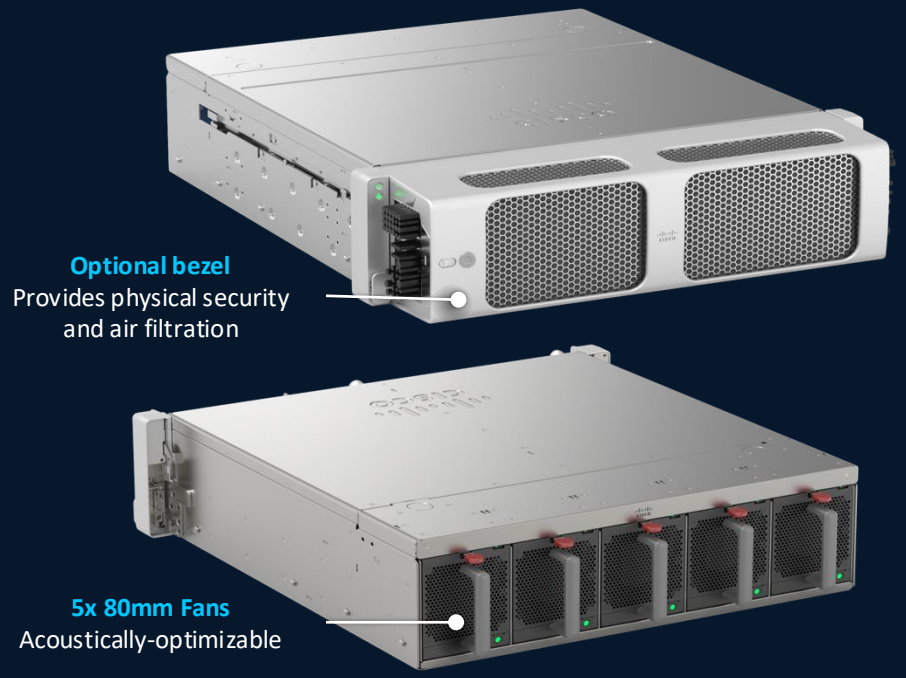

Replaceable filter
¼ 45ppi Quadrafoam
Should achieve MERV6
Optional bezel for physical security

Agile edge system

Personalized

Serviceable

Modular



Secure by design
(physical and digital)

Investment protection
over multiple generations

Consolidation of power,
cooling and cabling

Multiple mounting options:

- 4-post racks
- 2-post racks
- Wall mount
- Shelf mount

XE9305 Chassis Mounting Options

4-post rack with sliding rails

2-post rack with center mount brackets

Wall mount bracket

Mount brackets for horizontal positioning

Mount brackets for vertical positioning

Introducing Cisco Unified Edge

Compute | Storage | Networking | Software | SaaS Management | Analytics | Security

NUTANIX | Red Hat | vmware by Broadcom | Canonical Ubuntu | Microsoft | intel | cisco | SUSE

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Cisco Unified Edge: Future-Ready Performance

Integrates compute, networking, storage, and security

GPU

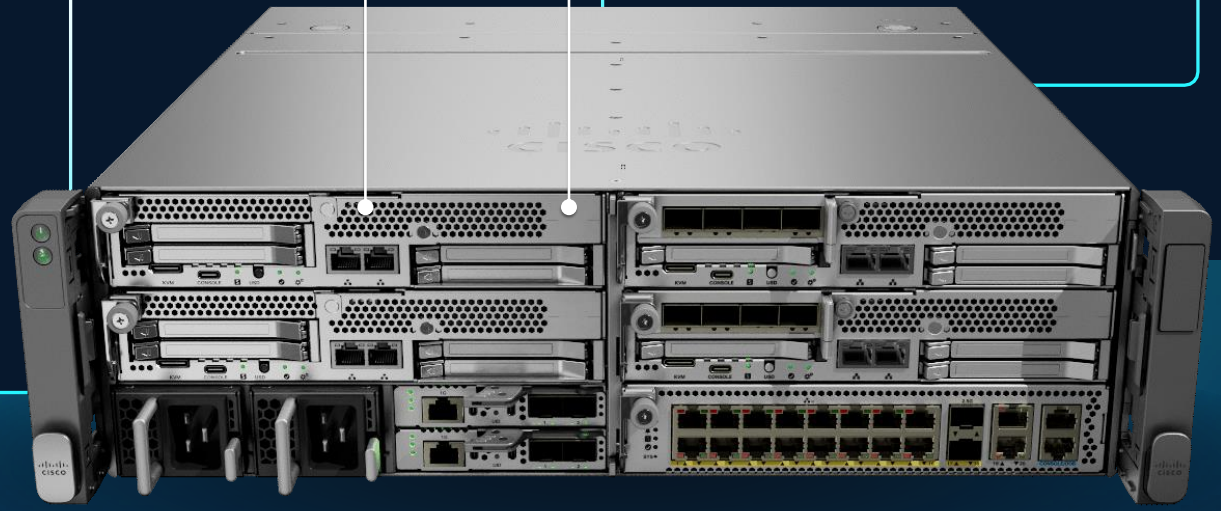
Half-height/half-length GPU

NVIDIA L4 first

Additional GPUs on roadmap

Compute node

- Compute
- Storage
- Software



Intel Xeon 6 SoC

CPU native AI inferencing (AMX)

Trusted Compute (TDX & SGX)

Integrated Ethernet

Scalable multithreaded cores (12, 20, 32)

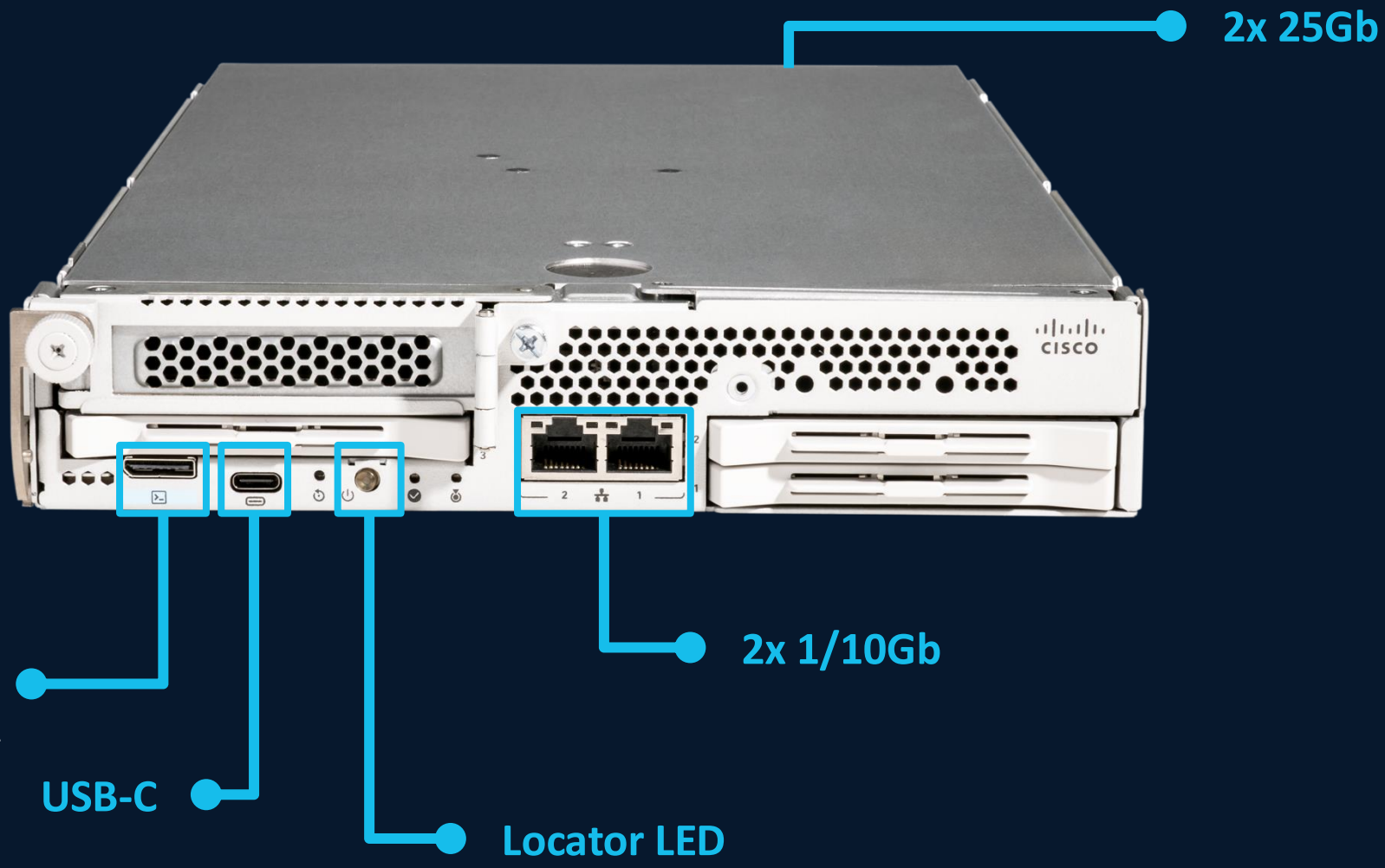
NUTANIX · Red Hat · vmware by Broadcom · Canonical Ubuntu · Microsoft · intel · cisco · SUSE

Cisco UCS XE130c M8

Compute Node

Up to 120TB with 4 NVMe E3.S drives

Cisco XE130c M8 Compute Node



Cisco XE130c M8 Storage-Optimized

Intel 2x25G NICs
Mid-plane connected NICs
connected to eCMCs

8 memory DIMMs
Up to 768GB w/ 96G DIMMs

Intel Xeon 6 SoC
Granite Rapids architecture
12, 20, 32 core options

GPU slot
HH/HL PCIe Gen5

M.2 Boot
Optional M.2 HW RAID

4 x E3.S drives
Up to 120TB
with 30TB drives

Intel 2x1/10G NICs
RJ45 LOM

Cisco XE130c M8 I/O-Optimized

Intel 2x25G NICs
Mid-plane connected NICs
connected to eCMCs

8 memory DIMMs
Up to 768GB w/ 96G DIMMs

Additional I/O slot
HH/HL PCIe Gen5

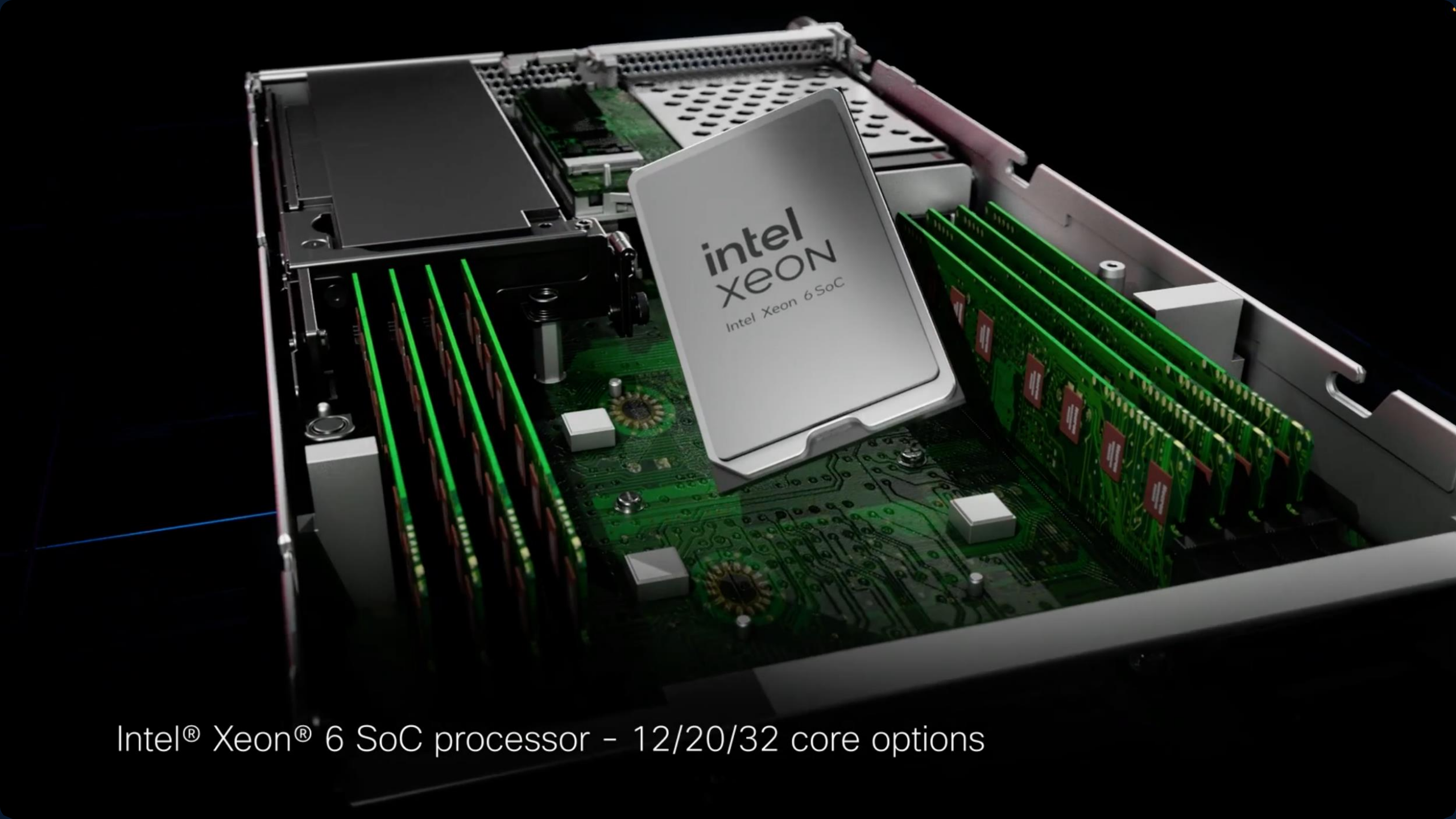
Intel 2x1/10G NICs
RJ45 LOM

Intel Xeon 6 SoC
Granite Rapids architecture
12, 20, 32 core options

GPU slot
HH/HL PCIe Gen5

M.2 Boot
Optional M.2 HW RAID

3 x E3.S drives
Up to 90TB
with 30TB drives



Intel® Xeon® 6 SoC processor – 12/20/32 core options

CPU Models

There are 3 SoC models available in the XE130c M8. All are soldered down (i.e. no socket).

Model	Cores	Frequency	Max Memory Speed	Cache	TDP
Intel® Xeon® 6503P-B Processor	12	2 GHz	4800 MT/s	48 MB	110 W
Intel® Xeon® 6513P-B Processor	20	2 GHz	5600 MT/s	80 MB	130 W
Intel® Xeon® 6543P-B Processor	32	2 GHz	5600 MT/s	128 MB	160 W

https://www.intel.com/content/www/us/en/products/details/processors/xeon/edge.html

https://www.intel.com/content/www/us/en/products/compare.html?productIds=242897,242903,242909

Cisco Unified Edge Compute Node

Available Intel® Xeon® 6 SOCs

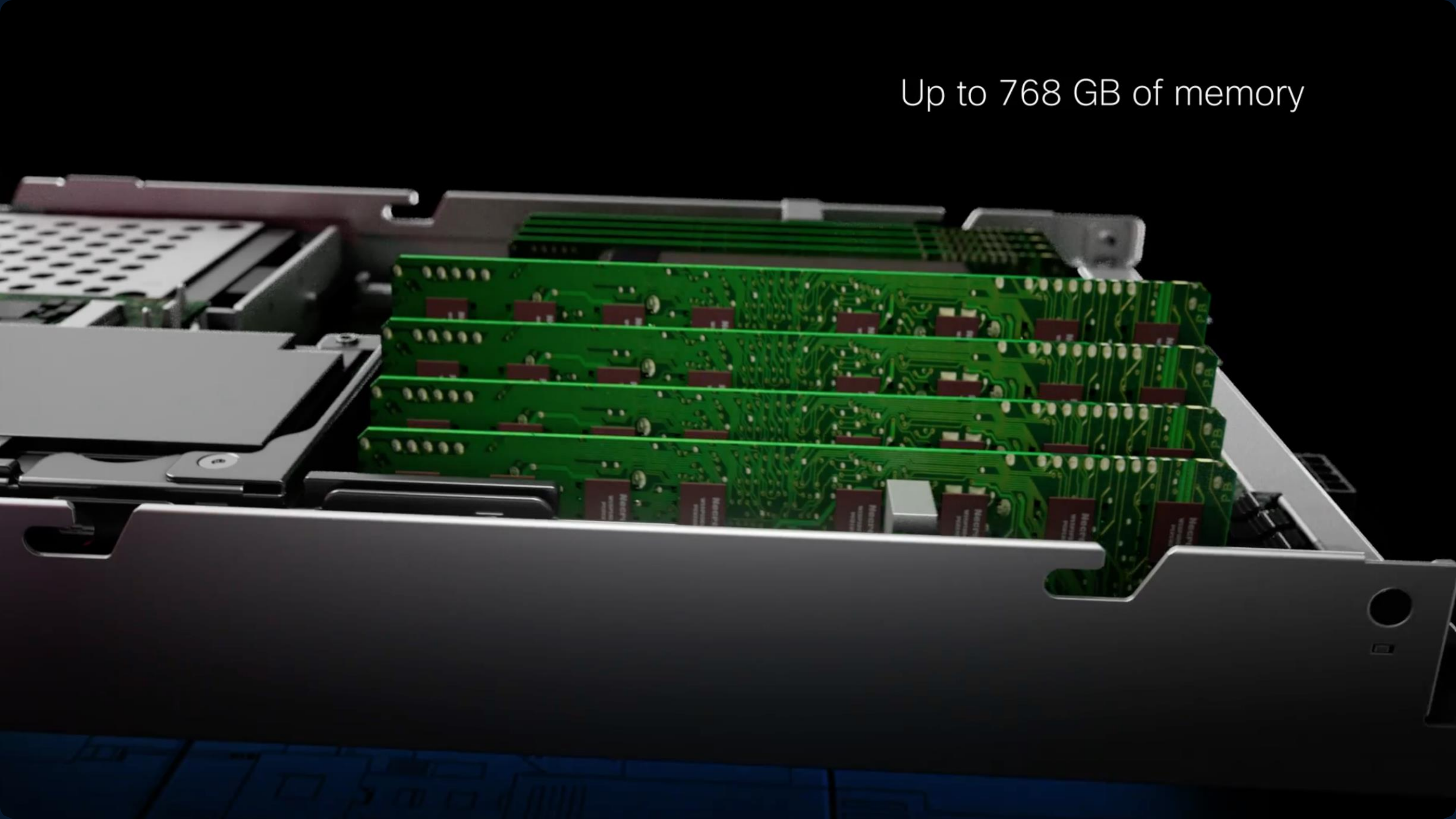
Model	Cores	Base Frequency	Max Memory Speed	Cache	TDP
Intel® Xeon® 6503P-B Processor	12	2 GHz	4800 MT/s	48 MB	110 W
Intel® Xeon® 6513P-B Processor	20	2 GHz	5600 MT/s	80 MB	130 W
Intel® Xeon® 6543P-B Processor	32	2 GHz	5600 MT/s	128 MB	160 W

Roadmap

Intel® Xeon® 6 SoC Media SKU	32	TBD	5600 MT/s	TBD	TBD

Intel Xeon 6 SoC with P-Core Processor

- Integrated Intel E825 Ethernet for backplane and front panel interfaces
- Intel Turbo Boost (overclocking)
- Intel AVE-512 (AI and HPC workloads)
- Intel AMX (AI/ML workloads)
- Intel VT (virtualized workloads)
- Intel Boot Guard, TXT, TDX, SGX
- Intel TME-MK (security)
- Intel QAT v2.2 (compression and cryptography)
- Intel DSA (storage and networking performance)


Up to 768 GB of memory

Optional Dual M.2 SATA drives

One GPU with PCIe G5 slot

Intel E825 OS NIC Drivers

	Works from ISO	Works After Driver Installation
VMware ESXi	TBD	8.0U3 or 9.0
Redhat Enterprise Linux	9.6+ or 10.0+	9.4 or 9.5 (not validated)
Redhat CoreOS	4.19+	
Ubuntu Linux	24.04.4 with HWE Kernel (TBD)	24.04.3
SUSE Linux	15 SP7+	
Windows Server		2022 or 2025
Nutanix AHV	TBD (Q2 CY26)	

Any Linux with Kernel 6.14 should also work

Personalized

Serviceable

Modular

Storage-optimized configuration

Xeon-6 SoC
P-core processor
12/20/32 Core options

8x Memory DIMMs
Up to 768GB

1x HH/HL PCIe G5
L4 Class GPU

4x NVMe
E3.S drives
Up to 120TB

2x M.2
SATA drives
HW RAID

2x 1/10
G NIC ports

Console / KVM ports
For local access

IO-optimized configuration

1x HH/HL PCIe G5
NIC / DPU

3x NVMe E3.S drives
Up to 90TB
w/ 30TB drives

High-performance networking

25G internal network
Node to node connectivity

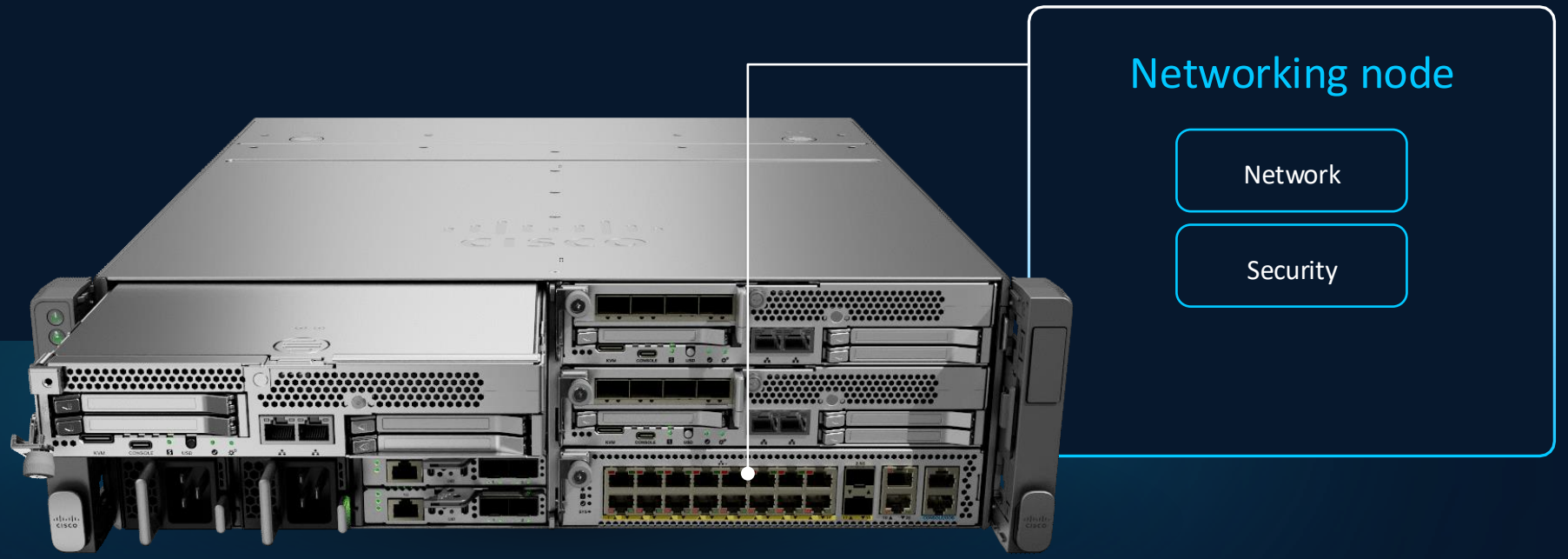
Up to 5 modules
Mix and match nodes

Node level personalization

Chassis level personalization

Cisco Unified Edge

Fully validated, full-stack system that integrates advanced network, compute, storage and security



NUTANIX Red Hat vmware by Broadcom Canonical Ubuntu Microsoft intel cisco SUSE

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Meraki
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Switch
Wireless
Systems Manager
Cameras
Insight
Organization
Clients
all
for the last day
2.78 TB (+ 1.42 TB, +1.36 TB)
Applications
More
Policy
Search clients...
1788 client devices
Download as
Status
Description
Last seen
Usage
OS
IPv4 address
Policy

High-performance networking

Data center fabric at the edge

25G internal network
Node to node connectivity

- 25G internal network: Built-in high-speed networking within the chassis, eliminates need for external switches.
- In-chassis networking: Keeps traffic local and fast, leading to better performance for node-to-node and clustered environments.
- Fewer external cables, faster installs: Simplify cabling and accelerating deployment
- Future ready: Internal Network resists on replaceable eCMC

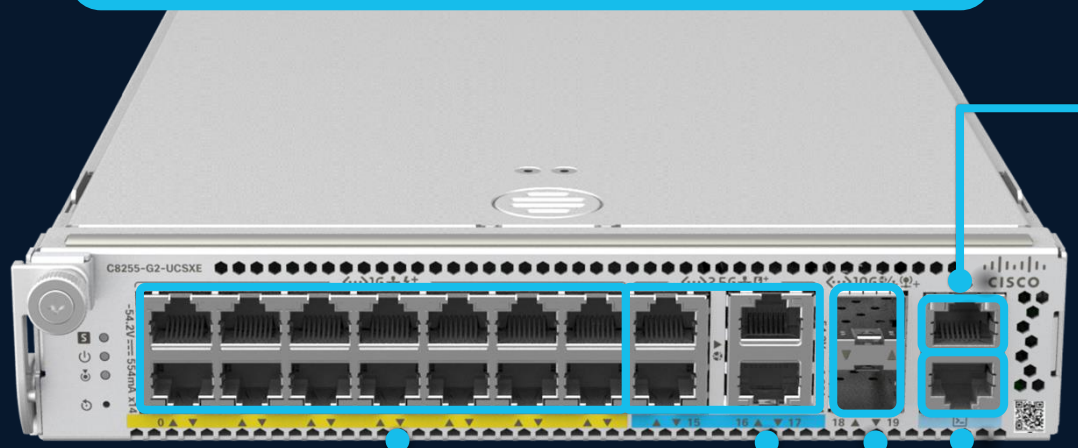
Secure router node

- Advanced security features - Next-Generation Firewall (NGFW), IPS/IDS, Advanced Malware Protection, URL filtering, and Secure Access Service Edge [SASE]
- Fourteen 1G ports; four 2.5mGig ports
  - PoE enabled – reduces costs and delivers greater flexibility
  - Two 10G SFP ports

C8255 G2 Secure Router Node - Fall 2026

0, 1, or 2 Secure Router Nodes per Unified Edge Chassis

360W PoE Budget



1Gb management

14 x 1Gb RJ45*
LAN ports with 30W PoE+

RJ45 console

4 x 2.5Gb mGiG*
LAN/WAN ports with 90W UPOE+

2 x 10G SFP*
LAN/WAN ports

* Prototype picture—subject to change

eCMC Networking at FCS

No spanning tree

No Chassis-Only VLANs

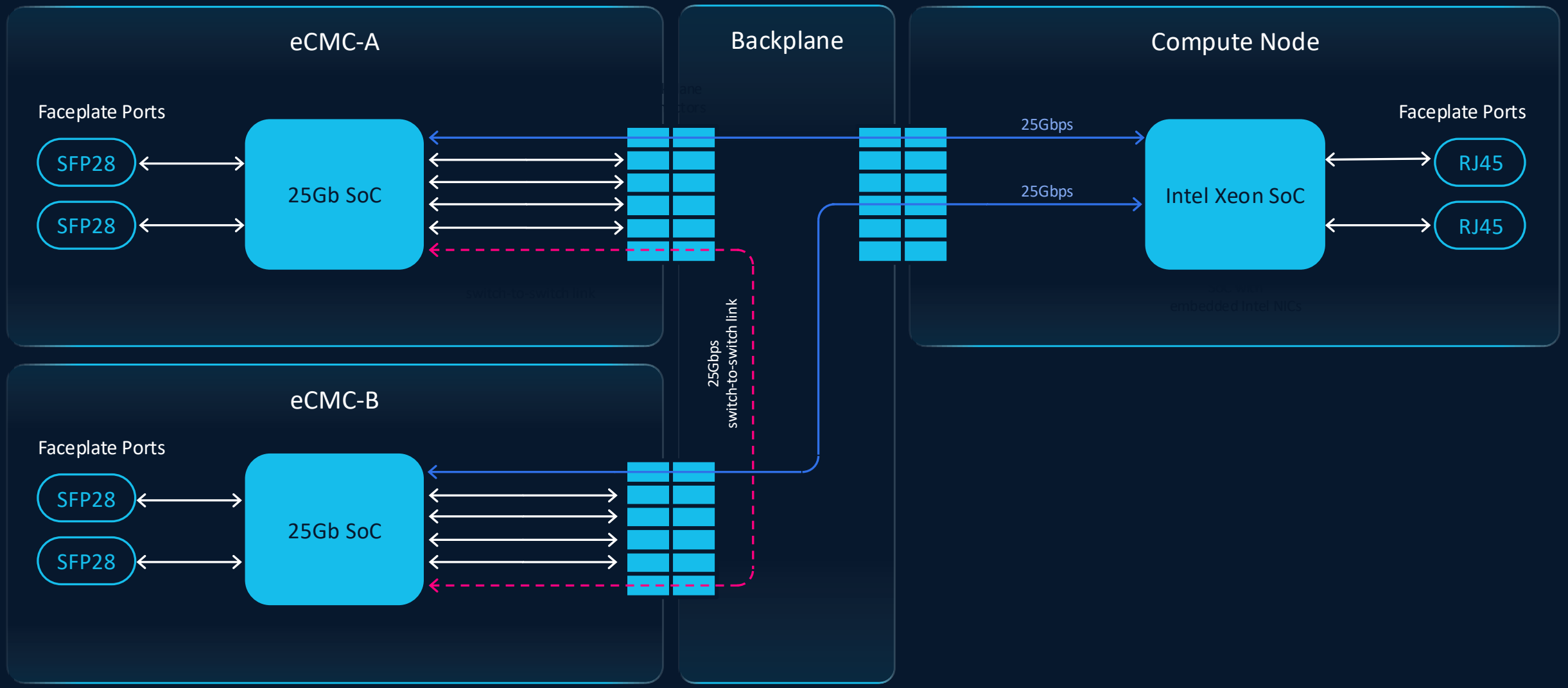
No disjoint L2

If two uplinks are connected from an eCMC, the links *must* be a port channel

One or two uplinks supported from each eCMC

Separate connections are required for management

Internal Networking with One Compute Node



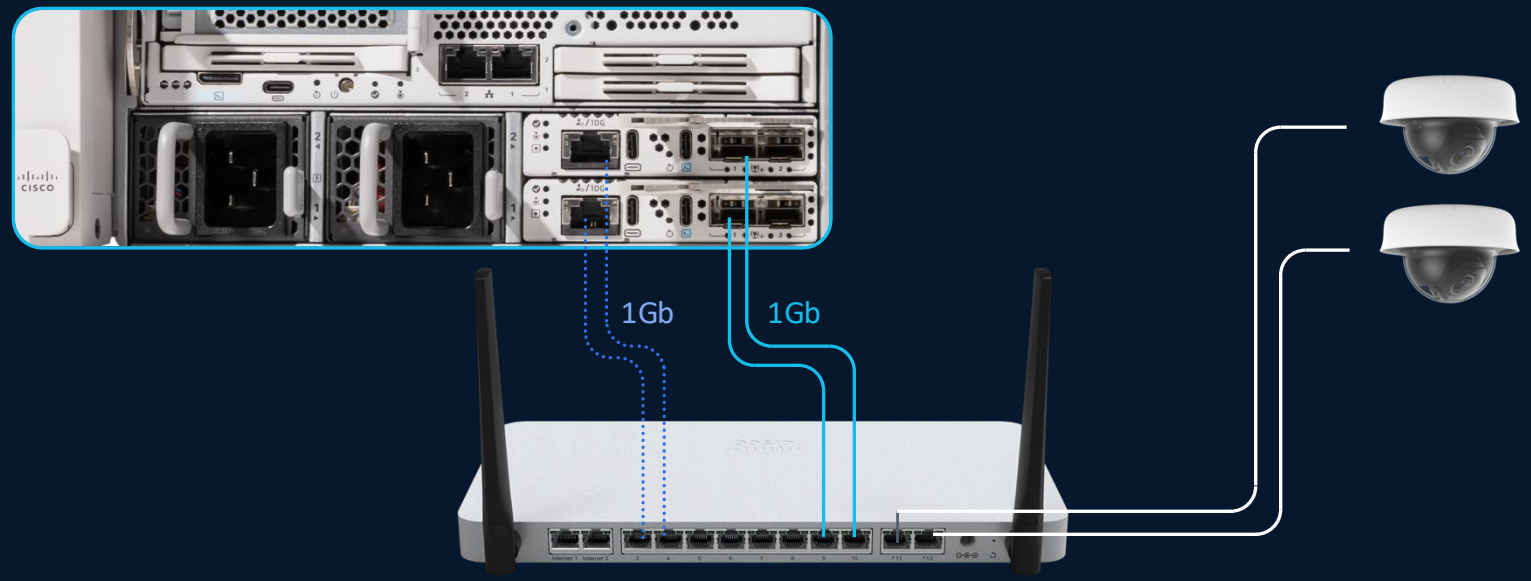
Common Connection Scenario

Small

01 Management requires its own uplinks at launch

02 One or two uplinks for data plane from each eCMC

03 If two links are used, they must be port-channeled

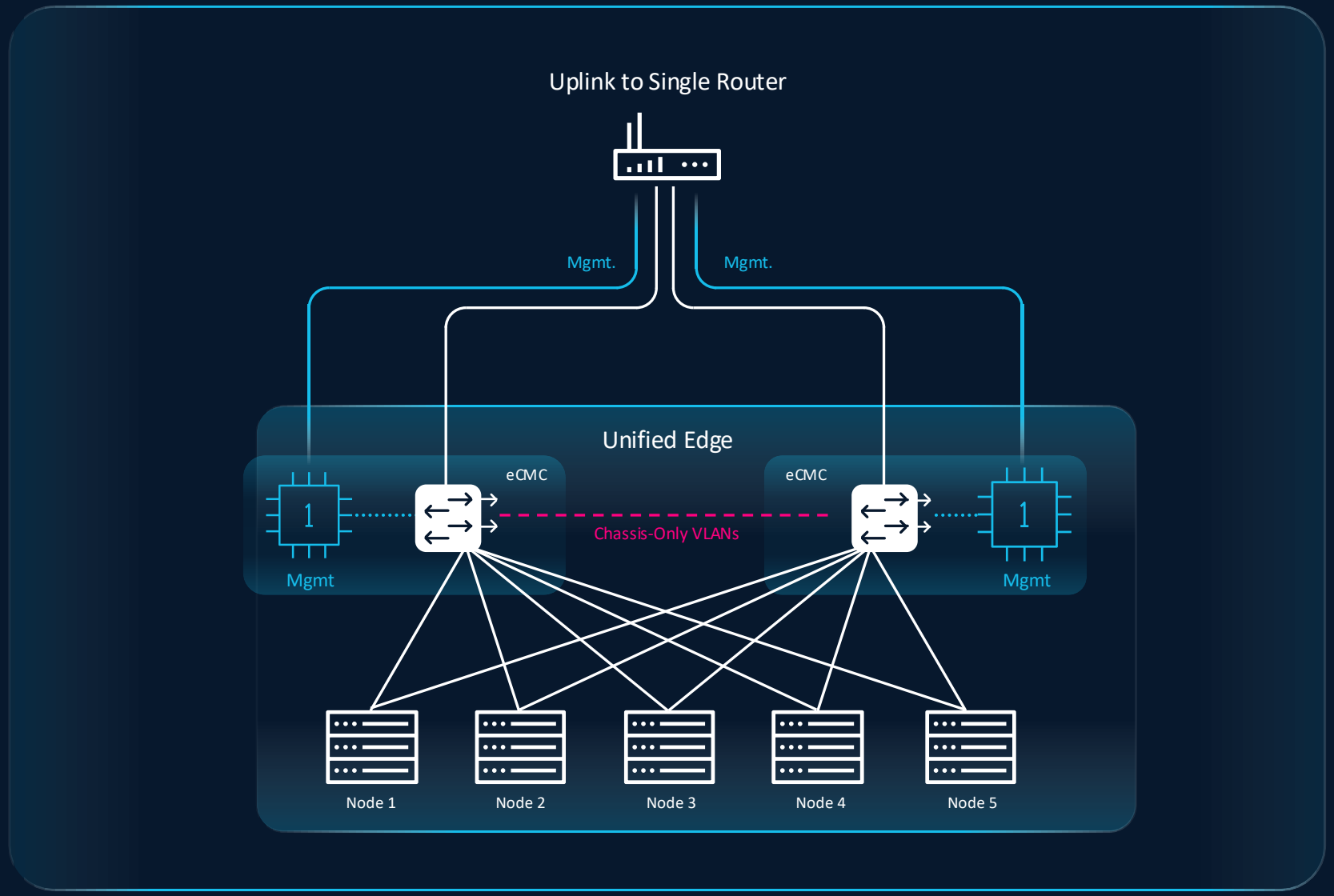


Network Admin Point of View

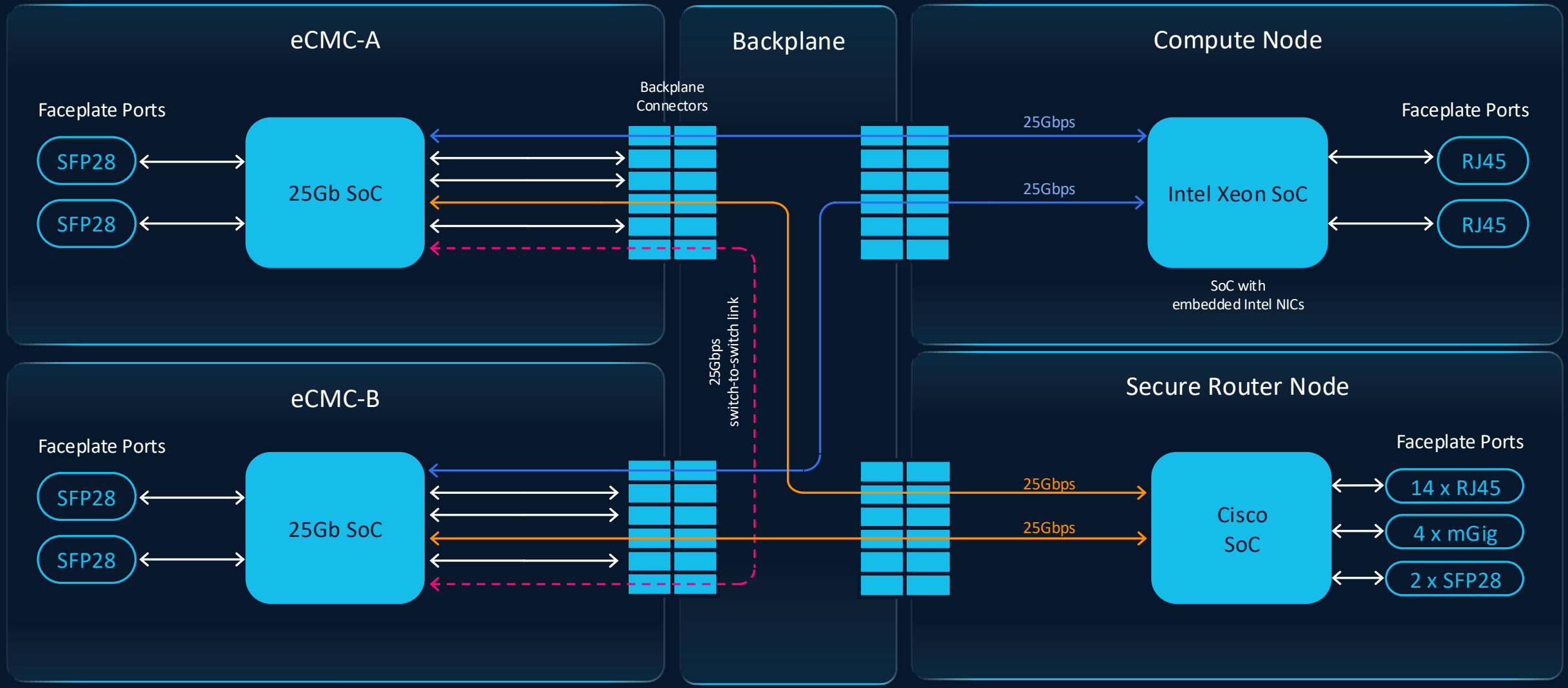
Small

Example topology

Uplink to single router



Internal Networking with One Secure Router Node



eCMC Port Layout

*25Gb uplink and 10Gb management support Post-FCS

Dual 1/10/25Gb* uplinks
No disjoint L2 at FCS; if 2 links are in use, they must be a port channel

Serial console access
for recovery console

USB-C port
for local file transfer, BTE (Bluetooth Ethernet), etc.

1/10Gb* Management port
for chassis management and tunneled KVM

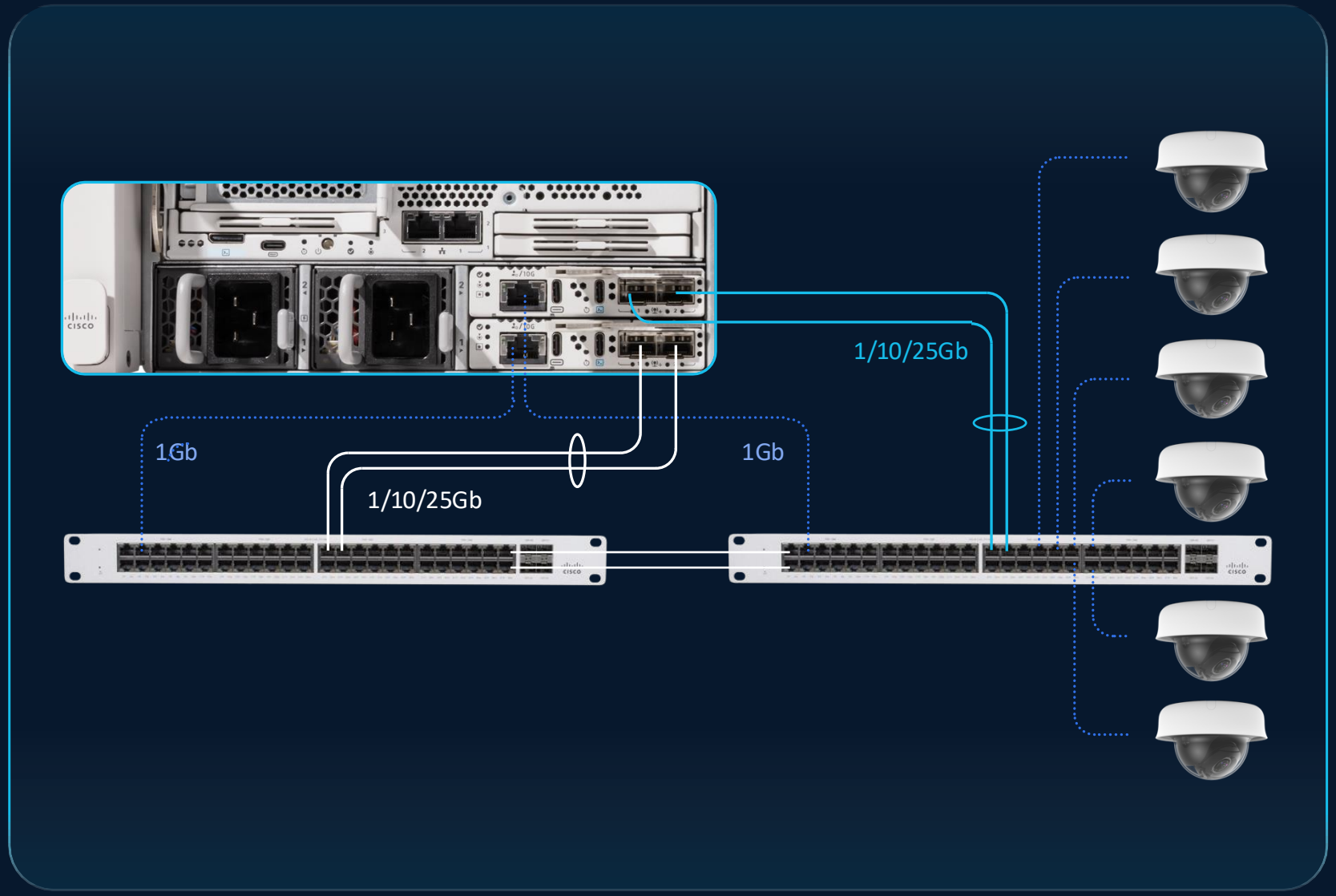
Common connection scenario

Large

01 Management requires its own uplinks at FCS

02 One or two uplinks for data plane from each eCMC

03 If two links are used, they must be port-channeled



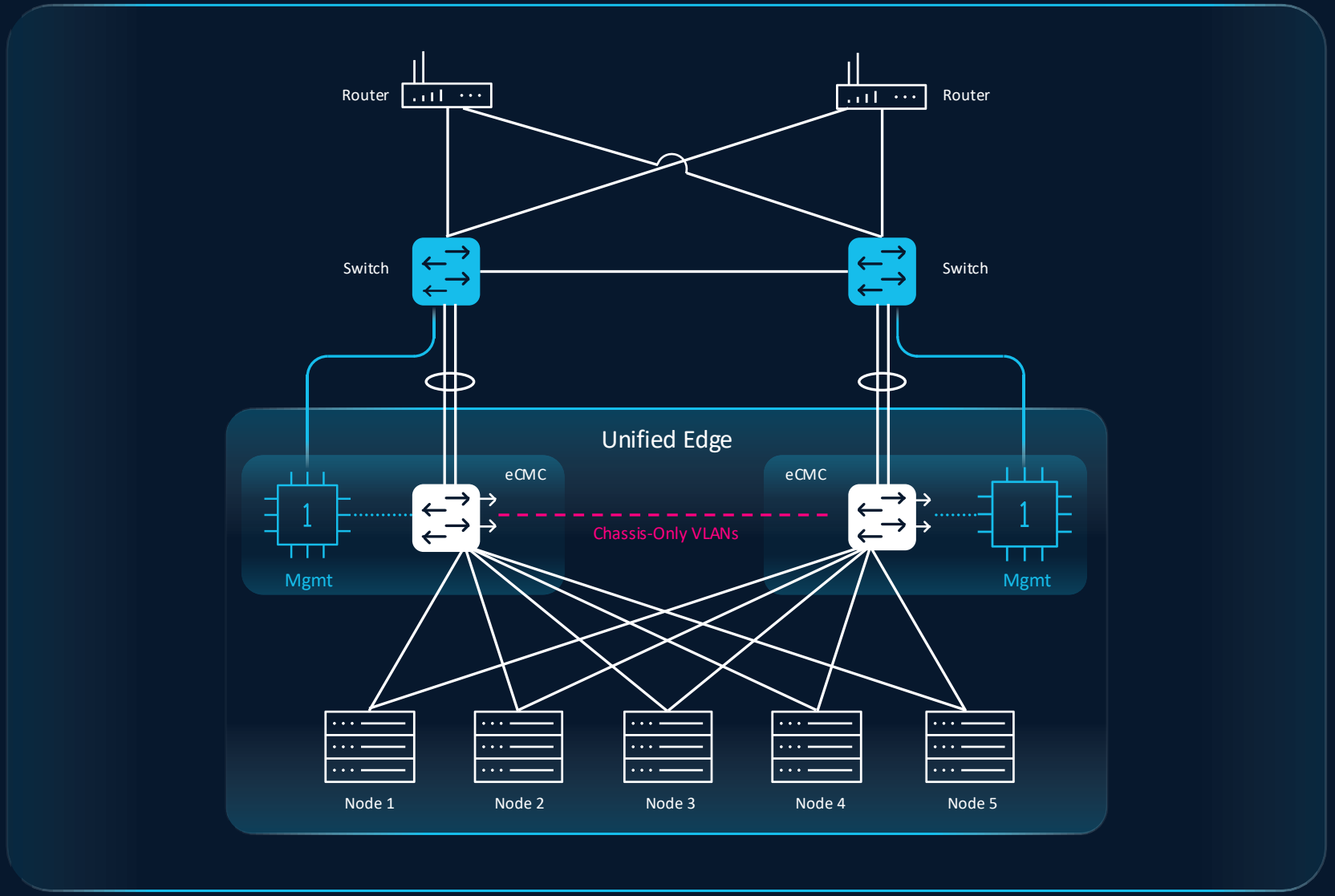
Network Admin Point of View

Large

Example topology

One or two links to local switches (two links requires port channel)

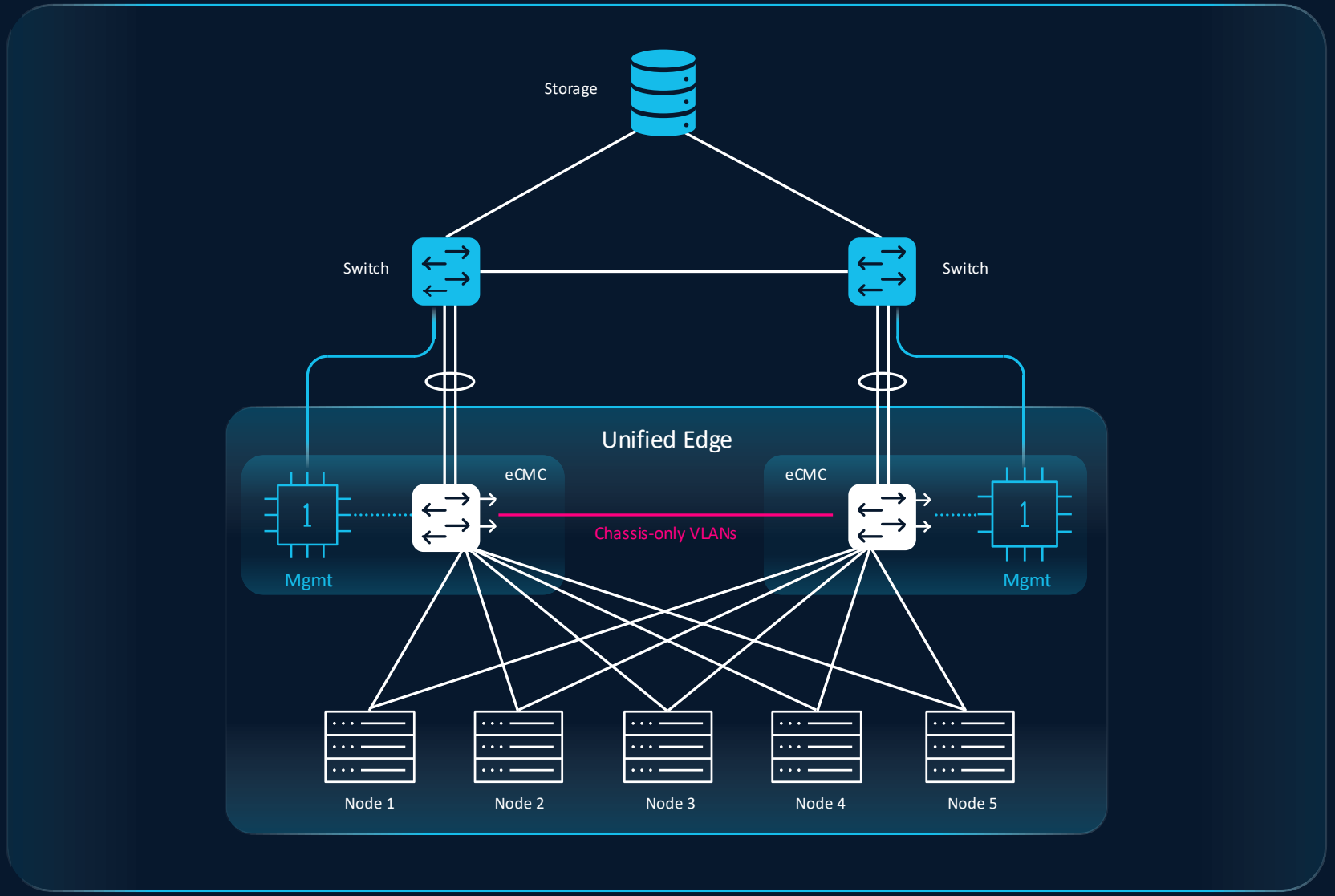
Notice that this configuration is not using VPC or MLAG towards the Unified Edge eCMC



Connecting External Storage

Connect storage to external network switches

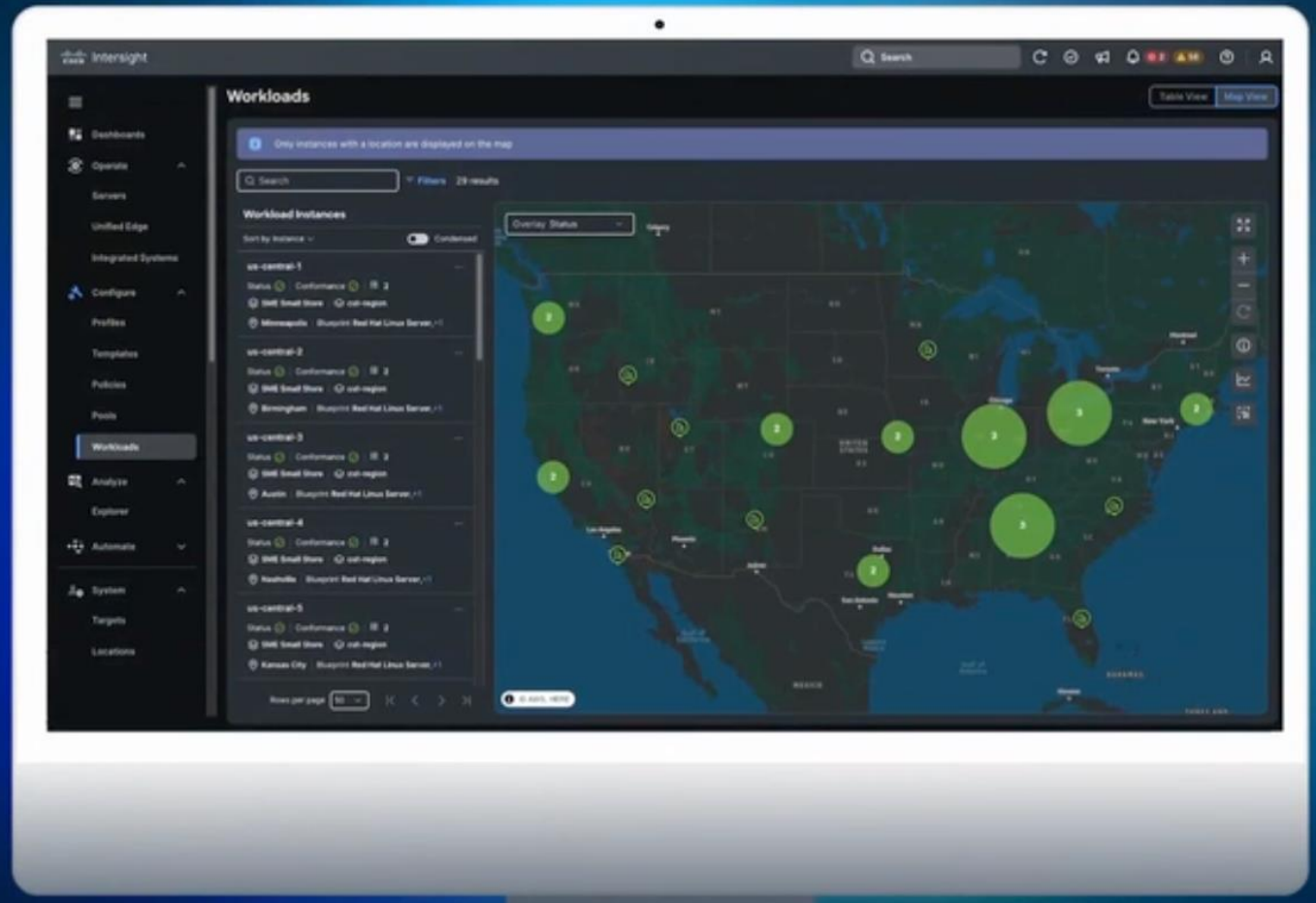
Direct connect to eCMC will require disjoint L2 (post-FCS)



SaaS-based infrastructure management with Cisco Intersight

- Global fleet visualization
- Zero-touch provisioning
- Curated configuration blueprints
- Automated lifecycle management

Simplified operations from core to edge



DAY 0

Zero-touch provisioning

DAY 1

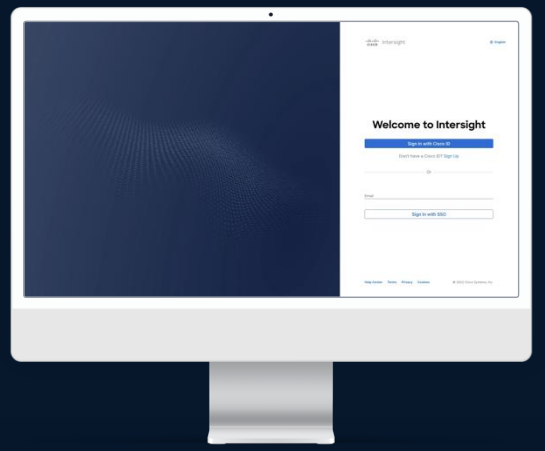
Deployment at scale

DAY N

Fleet-wide operations

Day 0: Zero touch provisioning

Consistent, repeatable AI-ready infrastructure deployments across multiple sites



Cisco Intersight

Cisco edge blueprints

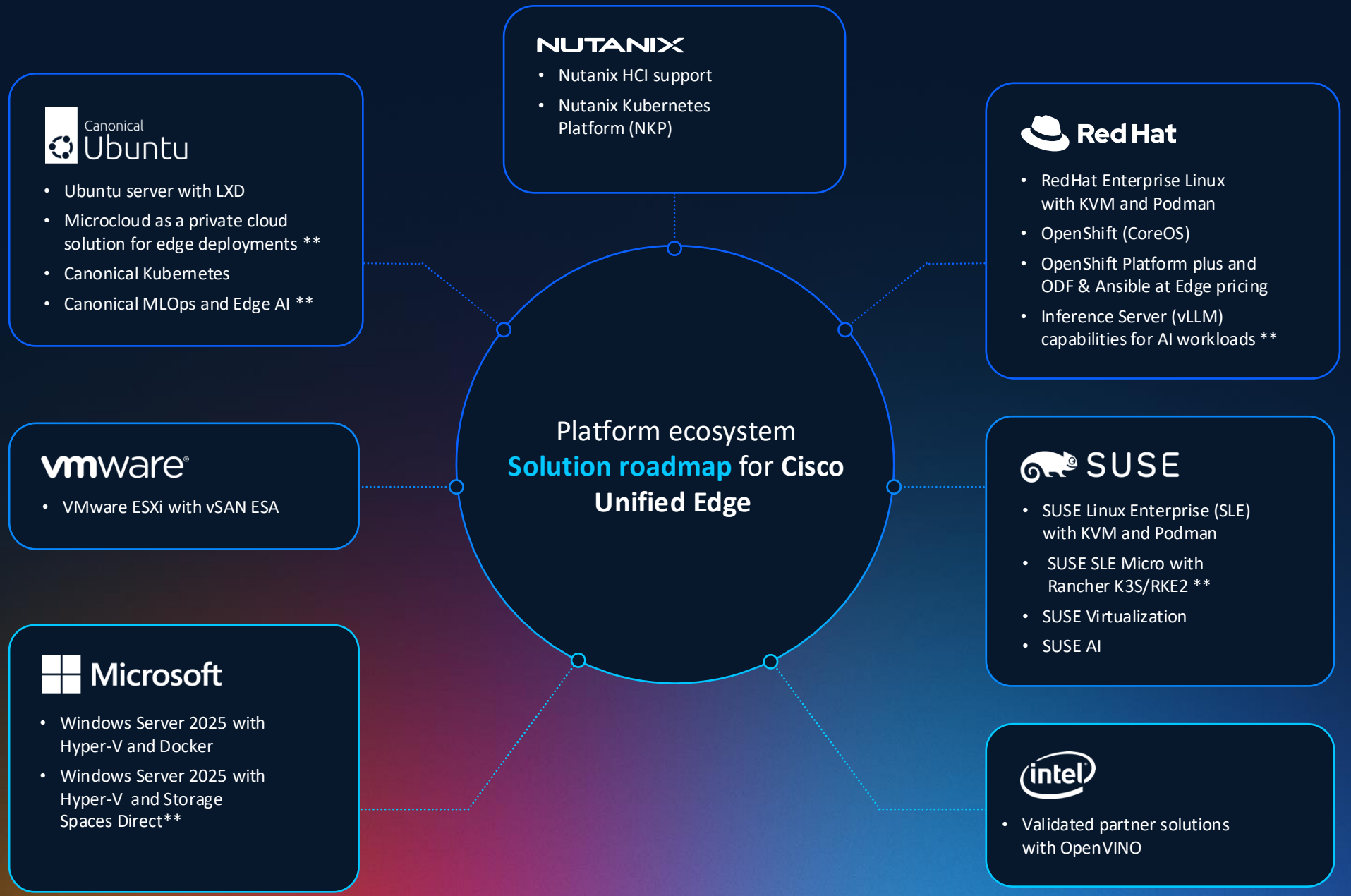
- Application
- Cluster
- O S
- Network configuration
- Server configuration
- GPU configuration
- Storage configuration
- Security configuration

Golden configurations base on Cisco validated designs

Faster deployments with fewer errors

Supported by Cisco TAC

Available in a marketplace



** Supported at launch

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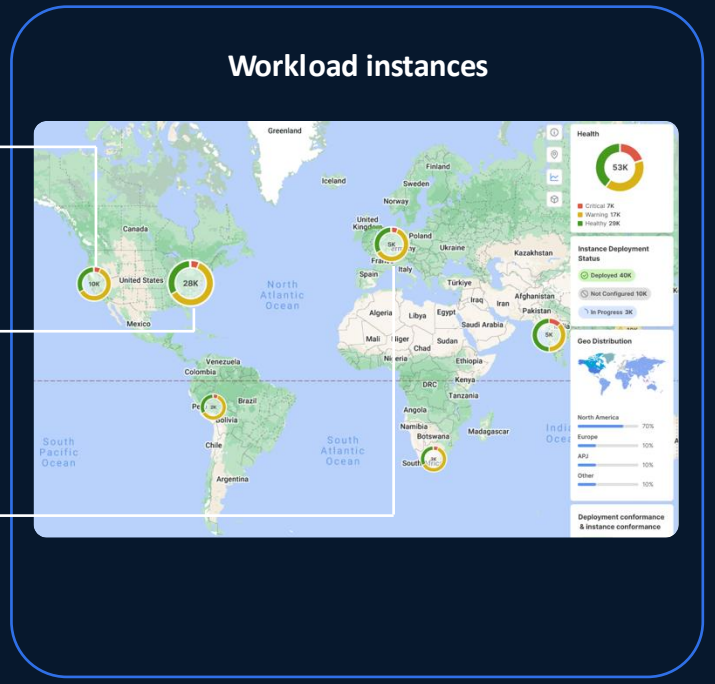
Day 0: Deploy consistently anywhere

Combine one or more blueprints together to deploy the entire site's infrastructure



Global admin

Admins pick one or more blueprints to be used in a workload definition, which is the basis for lifecycle management across the fleet

Regional admin

Workload deployments are used to form workload instances from mapped resources groups, and to allow an admin to override specific parameters that are region specific

Workloads are deployed, configured, and lifecycle managed together across all workload instances tied to a given workload definition (e.g. "branch_small").

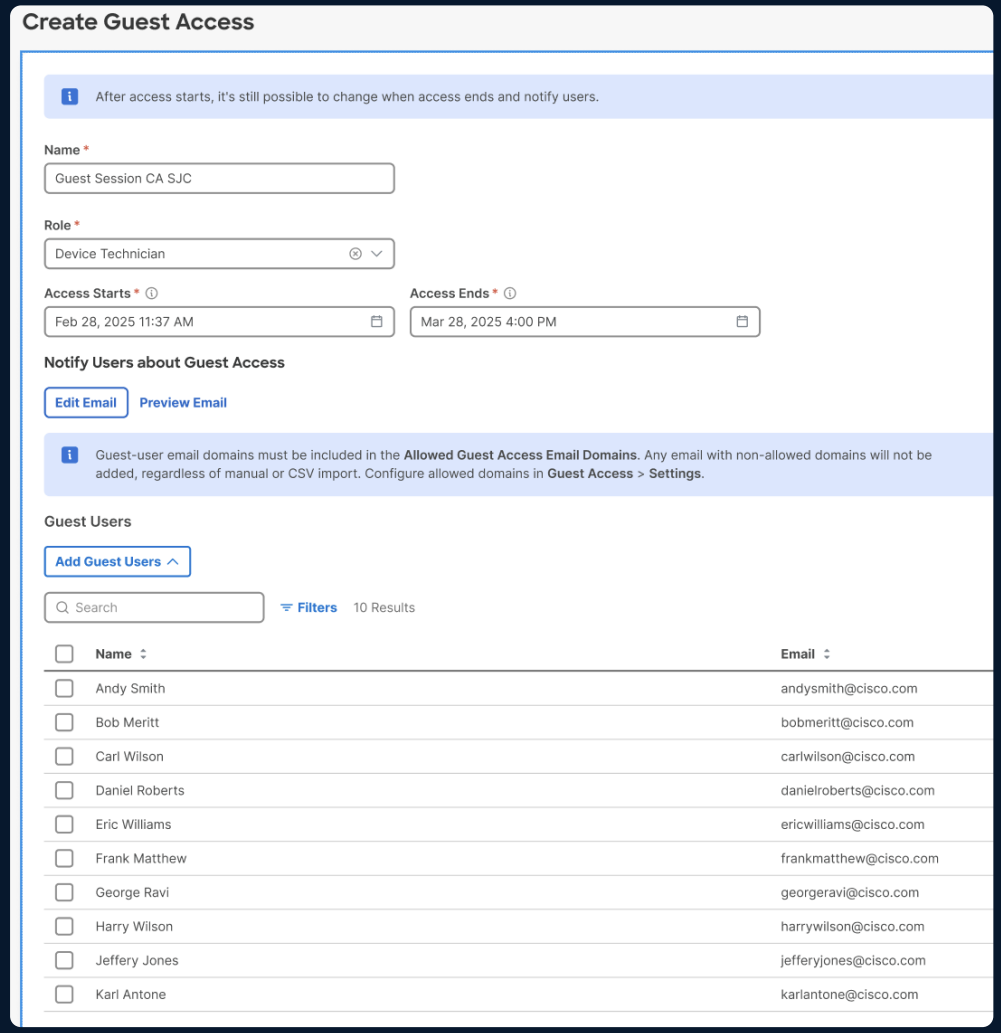
Guest access to Intersight

Enables a non-tech on-site staff to be able to claim a device; or upload a tech support bundle when device is unreachable

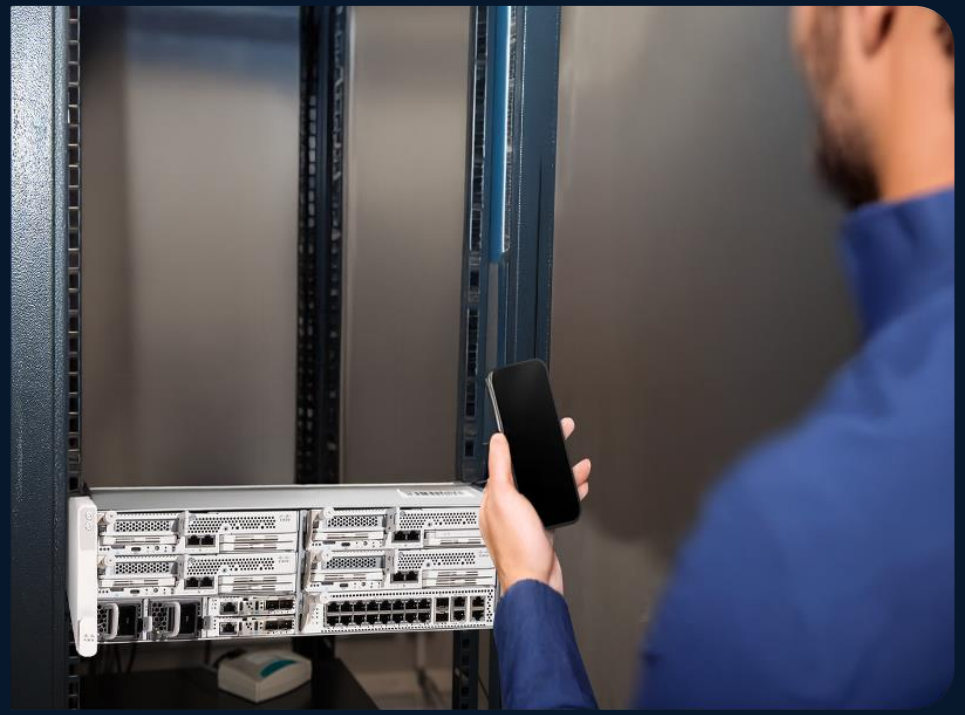
Ability to give temporary limited access to Intersight for trusted users without accounts in SSO

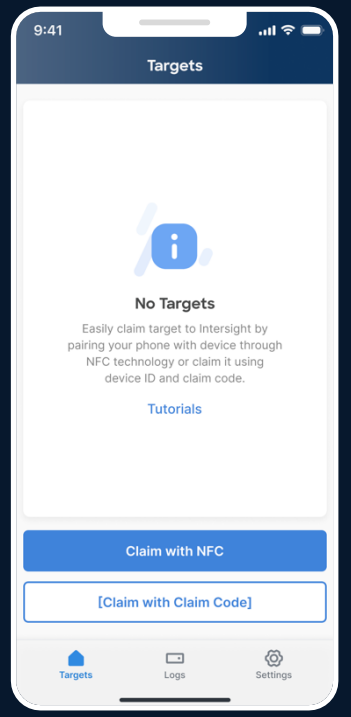
User's access is bound to a specified time window and a specific role/operation

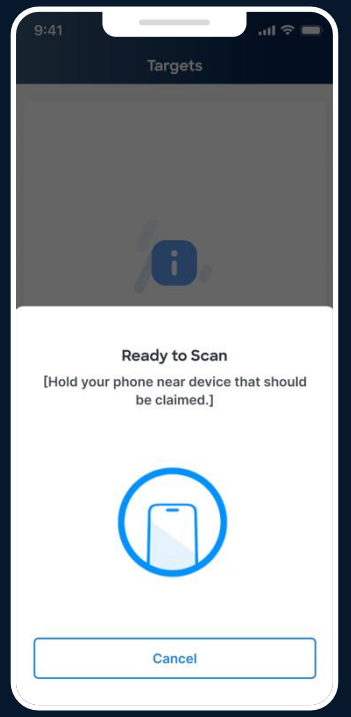
Simplified onboarding by allowing bulk user additions through a convenient CSV import option

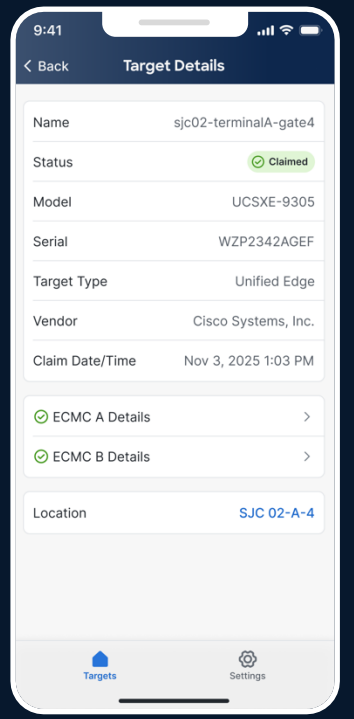


Day 1: NFC-based claim via mobile app









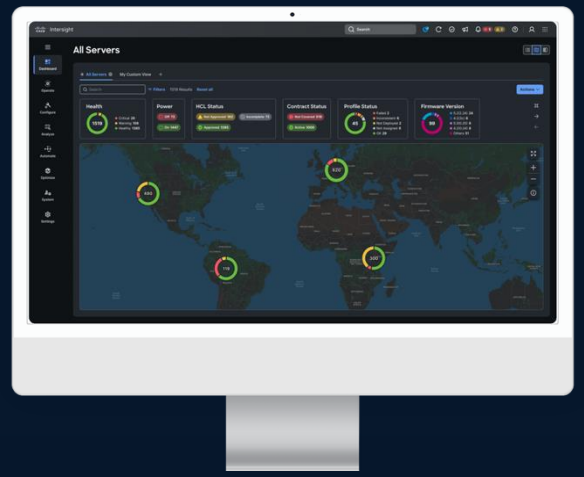
Fewer truck rolls – no need to onboard systems centrally

No technical expertise needed to claim device

Pre-claimed capabilities accessible to authorized on-site staff

Day 2: Deployment at scale

Consistent, repeatable AI-ready infrastructure deployments across multiple sites



Cisco Intersight

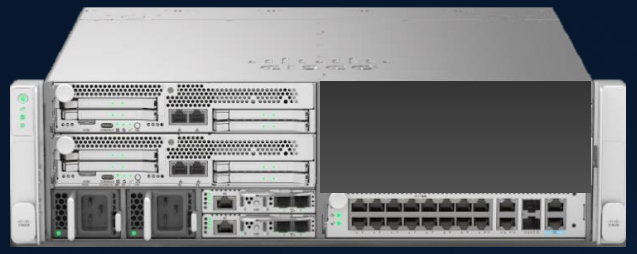
Cisco Edge blueprints
(Retail, manufacturing, healthcare)

- Application
- Cluster
- O S
- Network configuration
- Server configuration
- GPU configuration
- Storage configuration
- Security configuration

Day N: Seamless, scalable operations

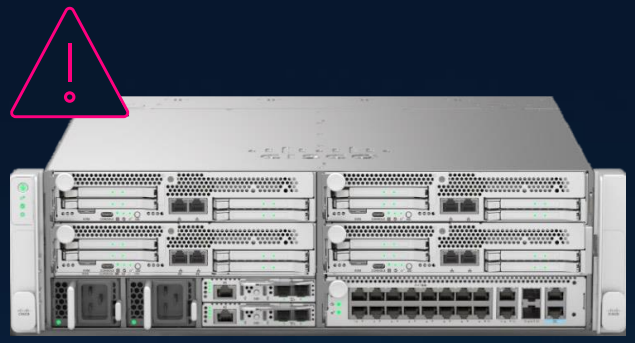
Fleet management at global scale

Deploy a new service



1. New AI application requires GPU
2. Install a new compute node with GPU
3. No forklift upgrade

Avoiding unscheduled down-time



1. Intersight identifies predictive maintenance item
2. Replacement node sent out automatically
3. Easy on-site install

End to end visibility & observability

Intersight + splunk> + ThousandEyes

- Fleet management
- Observability
- Security

New Compatible for Cisco Compute Program

ISVs Ecosystem for Unified Edge

- Leverages Nvidia Metropolis requires L4 GPU
- Joint Cisco & Intel Edge ISVs CPU-only inferencing (no GPU)

	Retail	Manufacturing / Industrial	Healthcare	Cross Vertical AI
Vertical Leaders Solutions	Vertical POS leader testing in progress Point of Sale Transformation*	Rockwell Automation Autonomous AI Factory Transformation	Expanded Vertical Target for CY26	NVIDIA METROPOLIS intel. OpenVINO
Target ISVs Solutions at Launch (compatibility tested on beta hardware) *post-launch FCS target	WaitTime Vision AI Customer Traffic Analytics	AXXONSOFT Vision AI Production Optimization	Medical Informatics Medical Informatics Analytics Platform	Red Hat AI Inference Server Edge AI Inferencing Server
	Quividi Real-Time Customer Segmentation Targeting	AVEVA Schneider Electric Real-time Production Data Analytics*	AI4CMR AI Accelerated Cardiac MRI	Arcee AI Edge Small Language Models (SLM) and Digital Assistants
	PreciTaste Vision AI Restaurant Operations Optimization*	EPIC IO Vision AI Industrial Operations Safety*		ONSTAK Cross-Vertical AI Solutions
		AUTONOMA Industrial Digital Twins Simulations*		VAIDIO AI-driven Operations Vision Platform

Additional Vertical ISVs in development

cisco

Only Cisco can converge network, compute, storage, and security from the edge up.

Deep networking expertise combined with compute innovation.

Comprehensive SaaS management for global fleet operations.

Built-in, multi-layered security from device to data center.

Proven track record in enterprise infrastructure.

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