



PRODUCT CATALOGUE

2026



ENGINEERING FUTURE INTELLIGENCE

At Creox, we engineer the foundation of intelligent infrastructure.

From high-performance AI servers that accelerate machine learning, to robust general-purpose servers that power enterprise workloads, and ultra-efficient network switches that connect it all — every Creox system is designed for precision, scalability, and performance.

Driven by innovation and engineered for reliability, Creox empowers our partners to achieve more — faster, smarter, and sustainably.

Partner with Creox to Scale Smarter

For more information or to book a demo session,
contact sales@creoxtech.com

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AI SERVER



A90X6

AIR-COOLED AI SERVER
POWERED BY HIGH
PERFORMANCE OAM GPU
MODULE



A90X6-Q

LIQUID-COOLED AI SERVER
POWERED BY HIGH
PERFORMANCE OAM GPU
MODULE



A70X6

6U GPU
SERVER

GENERAL PURPOSE SERVER



C60X5

2U SERVER

SWITCH



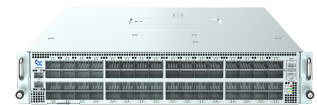
CS81-24Q8QDA

200G ACCESS
SWITCH



CS84-128Q1A

400G ULTRA HIGH
BANDWIDTH SWITCH



CS92-64OPA

800G ULTRA HIGH
BANDWIDTH SWITCH



CS94-128O1A

800G ULTRA HIGH
BANDWIDTH SWITCH



CSA2-64O2A

1.6T ULTRA HIGH
BANDWIDTH SWITCH

A90X6

**AIR COOLED AI SERVER.
FUELING THE NEXT AI REVOLUTION**



Overview

The Creox **A90X6** is a 10U AI server built on X86 architecture and powered by high-performance OAM GPU module. It is designed to fully support AI workloads across cloud datacenters and enterprise IT environments.

Application

AI Cloud Computing, LLM Training, Inference, HPC

Product Features

Excellent Performance

- Powered by X86 Processors (up to 350W)
- 32 DIMM slots, supporting RDIMM up to 6400MT/s
- Optimized for supporting high-performanced OAM GPU module

Flexible Configuration

-  • CPU-to-switch bandwidth options: x16 or x32
- Supports both full-height and half-height NIC cards

Datacenter-Optimised

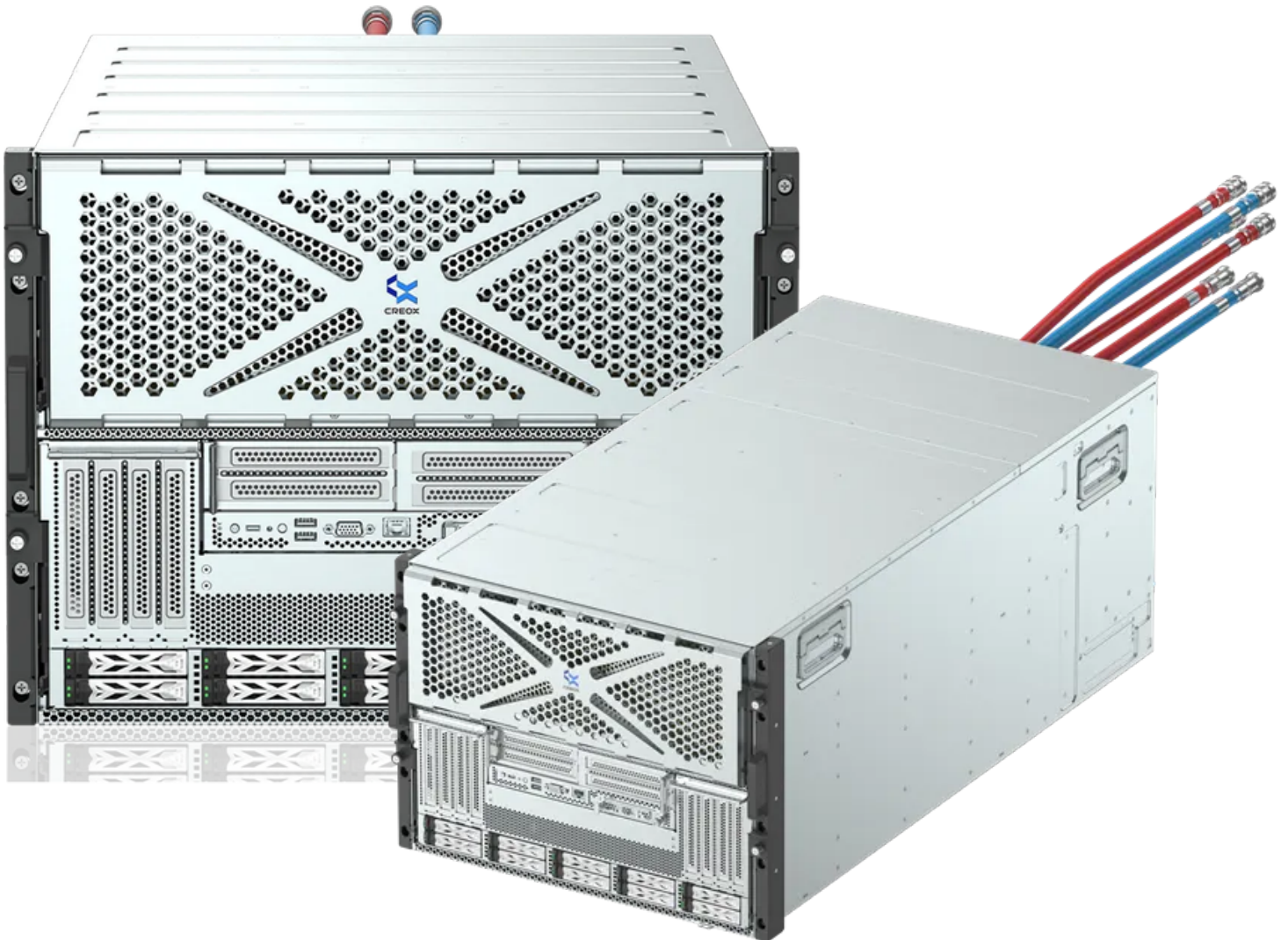
-  • Front I/O access for simplified deployment and maintenance
- N+N redundant power supply for maximum uptime
- High-efficiency thermal architecture for reduced energy use
- Optimized DC/DC power solution for datacenter efficiency

A90X6 AI Server Technical Specifications

CPU	2* X86 Processor up to 350W
GPU	8*High performance OAM GPU module air cooling
Memory	Up to 32* DDR5 DIMM Slot, support RDIMM up to 6400MT/s
Storage	10pcs U.2 NVMe
PCIe Extension	4 FHHL/HHHL (X16) +1FHHL/HHHL (X16, reserved)
Enclosure Management	BMC: AST2600, 1* dedicated RJ45 MGMT port
IO	2* USB3.0 Type-A Receptacle 1* PWR BTN with 1* PWR Indicator 1* Status LED 1* VGA 1* UART Port Over Type C 1* UID button& LED 1* GbE MGMT Port
Cooling	20* 8086 FANs, N+1 Redundant
Operating Temp.	10°C - 35°C
PSU	2* 185mm Redundant 2700W HVDC/AC Input, 12V Output PSUs 8* 185mm Redundant 3200W HVDC/AC Input, 54V Output PSUs
Dimension	440mm (H) x 448mm (W) x 900mm (D)

A90X6-Q

**LIQUID-COOLED AI SERVER. ENGINEERED
FOR PRECISION COOLING AND
SUSTAINABLE PERFORMANCE**



Overview

The **A90X6-Q** is an 8U liquid-cooled AI server it delivers exceptional performance, efficiency, and scalability. Optimized for AI workloads across cloud datacenters and enterprise IT environments, the A90X6-Q combines high compute density with advanced liquid-cooling technology for sustained reliability and thermal balance.

Application

AI Cloud Computing, LLM Training, Inference, HPC

Product Features



Excellent Performance

- Support X86 Processors
- 32 DIMM slots, RDIMM support up to 6400 MT/s
- Optimized for supporting high-performanced OAM GPU module



Flexible Configuration

- CPU-to-switch bandwidth options (x32 / x16)
- Full- and half-height NIC compatibility
- Designed for liquid-cooled datacenters

Datacenter-Optimised



- Front I/O access for easy maintenance
- N+N redundant PSU for reliability
- Optical modules positioned in cold air intake zone for better network reliability
- Efficient liquid-cooling system for stable, high-temperature operation

A90X6-Q AI Server Technical Specifications

CPU	2* X86 Processor up to 350W
GPU	8* High-performance OAM GPU module liquid cooling
Memory	Up to 32* DDR5 DIMM Slot, support RDIMM up to 6400MT/s
Storage	8* SFF NVMe slot (from switch)
	2* SFF SATA/Nvme slot (from CPU, SATA need Add-in RAID card)
	Option: Internal: 2* 2280 M.2 slot(Add-in riser card)
PCIe Extension	Front PCIe Slot: 8* X16 FHHL/HHHL (from switch)
	Front PCIe Slot: 2* X16 FHHL (from CPU)
Enclosure Management	BMC: AST2600, 1* dedicated RJ45 MGMT port
IO	Front IO
	2* USB3.0 Type-A Receptacle
	1* PWR BTN with 1* PWR Indicator
	1* Status LED
	1* VGA
	1* UART Port Over Type C
	1* UID button& LED
	1* GbE MGMT Port
Cooling	13* 8086 FANs, N+1 Redundant
Operating Temp.	5°C - 35°C
PSU	2* 185mm Redundant 2700W HVDC/AC Input, 12V Output PSUs
	8* 185mm Redundant 3200W HVDC/AC Input, 54V Output PSUs
Dimension	352mm (H) x 448mm (W) x 900mm (D)

A70X6

**6U GPU SERVER ENGINEERED
FOR AI MASTERY**



Overview

The A70X6 is a 6U AI server supporting up to 8 PCIe GPU cards, built on Intel's latest Birch Stream platform and powered by 6th Generation Intel® Xeon® Scalable Processors (Granite Rapids).

Engineered for AI, HPC, and large-scale data processing, it delivers outstanding parallel computing performance and flexibility for both cloud datacenters and enterprise AI infrastructures.

Application

AI Cloud Computing, LLM Training, Inference, HPC

Product Features

Excellent Performance

- Based on Intel® Xeon® 6th Scalable Processors, up to 350W TDP
- 32 DIMM slots support RDIMM up to 6400MT/s
- Support 8 FHFL Dual Slot PCIe GPU as NVIDIA RTX Pro 6000, B300 NVL ETC.

Flexible Configuration

- Onboard 8 400G QSFP port (CX8 SKU)
- 8 FHFL Dual slot + 5 FHHL Single slot
- Support CPU: GPU: NIC=2:8:5 (89144 SKU)

Datacenter-Optimised

- Support front IO access
- N+N PSU Redundant
- High-efficiency thermal solution for power saves
- High-efficiency DC/DC solution

A70X6 AI Server Technical Specifications

CPU	2* Intel® Xeon 6700E/6500P/6700P Processor up to 350W
GPU	8* FHFL Dual Slot for PCIe GPU
Memory	Up to 32* DDR5 DIMM Slot, support RDIMM up to 6400MT/s
Storage	8* SFF NVMe slot (from switch) 2* SFF SATA/NVMe slot (from CPU, SATA need Add-in RAID card) Internal: 1* 2280 NVMe M.2 Slot
PCIe Extension	Front PCIe Slot for GPU: 8* X16 FHFL Dual Slot (from switch) Front PCIe Slot for E-W NIC: 4* X16 FHHL Single Slot (from switch) Front PCIe Slot for N-S NIC: 1* X16 FHHL Single Slot (from CPU) Onboard 8* QSFP 400G for E-W NIC (CX8 SKU only)
Enclosure Management	BMC: AST2600, 1* dedicated RJ45 MGMT port
IO	2* USB3.0 Type-A Receptacle 1* PWR BTN with 1* PWR Indicator 1* Status LED 1* VGA 1* UART Port Over Type C 1* UID button& LED 1* GbE MGMT Port
Cooling	Rear 10* 8086 FANs, Internal 4*8056 FANs N+1 Redundant
Operating Temp.	5°C - 35°C
PSU	8* 185mm 4+4 Redundant 2700W HVDC/AC Input, 12V Output PSUs
Dimension	265mm (H) x 448mm (W) x 900mm (D)

General Purpose Server

C60X5

**THE 2U SERVER BUILT FOR EVERY
CHALLENGE**



Overview

The **C60X5** is a 2U general-purpose server built on the Intel® Eagle Stream platform, supporting 4th and 5th Gen Intel® Xeon® Scalable Processors with up to 64 CPU cores — delivering up to 60% more performance compared to the previous generation.

With support for DDR5 memory and PCIe 5.0, the C60X5 provides outstanding bandwidth and scalability for modern compute-intensive workloads.

Application

Cloud & Virtualization, Big Data Analytics, AI Inference

Product Features

Modular Design & Excellent Performance

- Powered by Intel® Xeon® 4th/5th Gen Scalable Processors (up to 350 W TDP)
- 32 DIMM slots, up to 8 TB DDR5-5600 RDIMM
- Intel® AMX built-in for AI acceleration
- Versatile configurations for diverse applications

Expandability & Flexibility

- Up to 12 × 3.5" or 28 × 2.5" HDDs
- Up to 8 × PCIe slots + 1 × OCP 3.0
- Up to 2 × DW GPU slots for enhanced compute

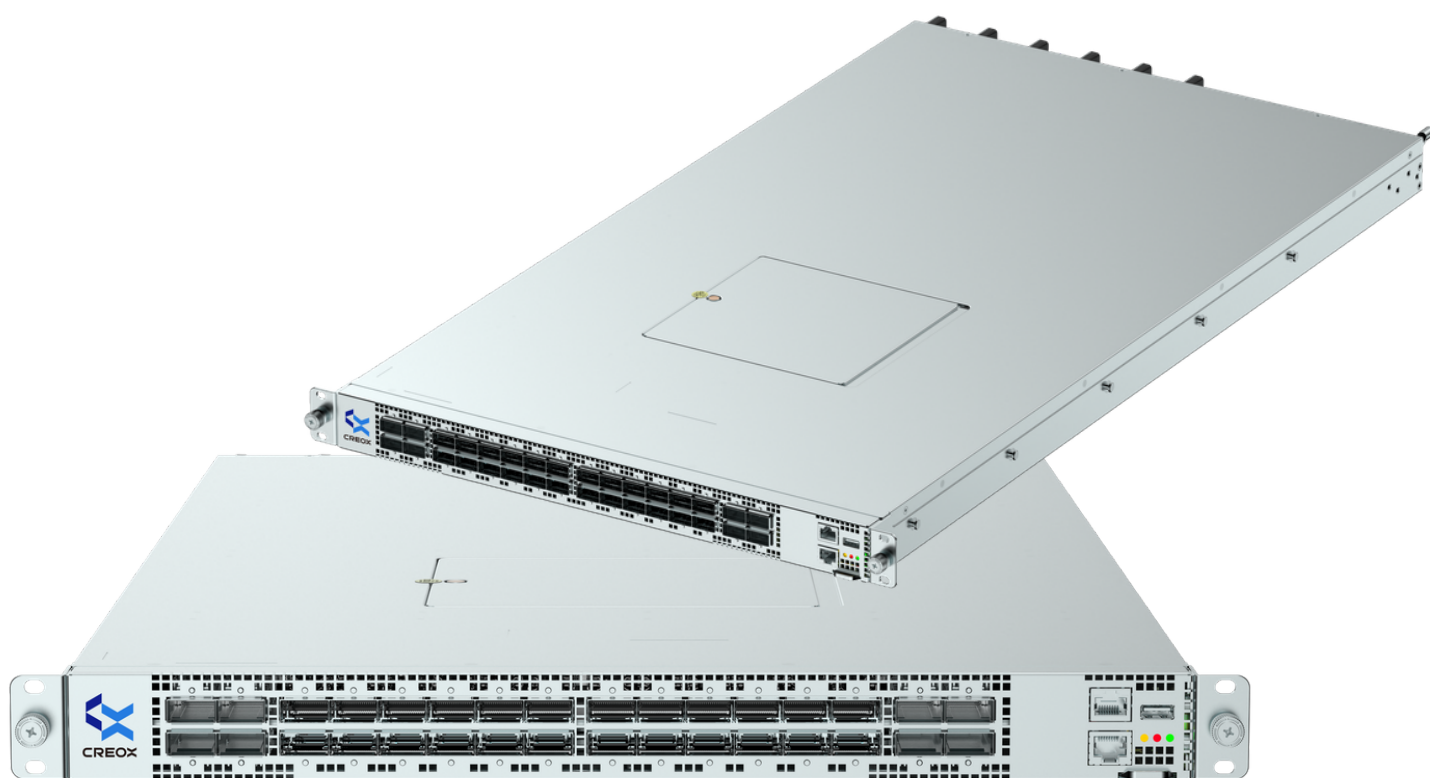
High Reliability & Easy Maintenance

- 1+1 redundant PSUs for continuous uptime
- Efficient thermal design for stable performance
- Remote management for simplified operations

C60X5 Server Technical Specifications		
CPU		2 * Intel® Xeon®4th&5th SPR/EMR Processors up to 350W
Memory		Up to 32 * DDR5 DIMM Slots, up to 5600MT/s, support RDIMMs & LRDIMMs
Storage	Front	12 * LFF SATA/SAS/NVMe
		24 * SFF SATA/SAS/NVMe
		Internal: 2 * 2280 M.2 (SATA/NVMe) onboard slots
		Rear: 4 * SFF SATA/SAS/NVMe
PCIe Extension		Option1: 2 * PCIe5.0 x16 FHFL + 4 * PCIe4.0 x8 FHHL
		Option2: 2 * PCIe5.0 x16 FHFL + 2 * PCIe4.0 x16 FHHL + 2 * PCIe4.0 x8 FHHL
		OCP3.0
Enclosure Management		BMC: AST2600, 1 * dedicated RJ45 MGMT port
IO	Front IO	2 * USB3.0 Type-A Receptacles
		1 * PWR BTN with 1 * PWR Indicator
		1 * Status LED
		1 * VGA
		1 * UID button& LED
	Rear IO	2 * USB3.0 Type-A Receptacles
		1 * VGA
		1 * UART Port Over RJ45
		1 * UID button& LED
		2 * 1000 BASE-T onboard LAN Ports
		1 * GbE MGMT Port (Not both Front MGMT Ports)
Cooling		4 * 8056 FANs, N+1 Redundancy
Operating Temp.		5°C - 35°C
PSU		1+1 Redundancy (1300W/1600W/2000W)
Dimension		86mm (H) x 447mm (W) x 815mm (D)

CS81-24Q8QDA

**NEXT GENERATION DATA
CENTER 200G ACCESS SWITCH**



Overview

CS81-24Q8QDA switch is a high-performance, high-density, flexible configurate 400GbE/200GbE Ethernet switch, it is deployed as the leaf switch in the hyperscale datacenter network. The switch offers 24 x 200G QSFP56 ports and 8 x 400G QSFP-DD ports in 1RU Chassis, provides up to 16Tbps non-blocking switch capacity and complete L2 and L3 feature support.

The CS81-24Q8QDA is pre-installed with ONIE (Open Network Installation Environment), supporting open-source SONIC and various commercial NOS.

Application

Datacenter Leaf Switch

Product Features

Compact Design

- 24 × QSFP56 200GbE + 8 × QSFP-DD 400GbE ports
- Up to 16 Tbps full-duplex switching capacity

High Reliability

- Redundant design for power supply and fan
- Software real-time monitoring of system status

OS Compatibility

- Pre-loaded with Open Network Install Environment (ONIE), supporting open-source SONIC and multiple commercial NOS

CS81-24Q8QDA Ethernet Switch Technical Specifications

Hardware Specifications	
Service port	24x 200G QSFP56 (4x56G PAM4) + 8x 400G QSFP-DD (8x56G PAM4)
Service port indication	QSFP56: 1 LED/Port; QSFP-DD: 1 LED/Port
Switching ASIC	Broadcom BCM56780 (Trident4)
Switching Capacity	8Tbps non-blocking
Management port	1x 10/100/1000Base-T MGMT
	1x USB 2.0 Type A
	1x RJ45 Console
	3x Status LED (Yellow-Green Bi-Color)
CPU	CPU: Intel Xeon D-1734NT
	2x SODIMM DDR4 slots, default 1x32GB
	1x 240GB M.2 SSD
BMC	Aspeed AST2520
Power	1+1 Hot-pluggable, loading sharing, redundant 800W CRPS PSU
	AC: 90~264VAC, HVDC: 180V~300VDC
Fan	N+1 redundancy, 6 fan modules
	Airflow: F2B
Operating temperature	0°C to 40°C, 5% to 90% RH
Size	440mm x 800mm x 43.1mm
Weight	~ 12.5kg

CS81-24Q8QDA Ethernet Switch Technical Specifications

Software Specifications

System and Platform Infrastructure Features

- Dynamic Port Breakout
- DOM Information Display
- System Locator LED Support (Beacon)
- CMIS 4.0 Optics Support
- CoPP (Control Plane Policing)
- Transceiver Parameter Tuning
- Third-Party Container Management
- PDDF and PDK Framework
- Maintenance Mode
 - LACP Graceful Shut
 - BGP Graceful Shut
 - OSPFv2 Maximum Metrics
- Multi-Instance Redis DB
- Zero Touch Provisioning (ZTP)
- ZTP Provisioning using a USB Drive
- Auto Negotiation and Link Training
- Forwarding Plane Drop Counters
- Time Zone Command Support
- Broadcom Debug Tool
- Interface Beacon LED
- Support Option to Bind the Third-Party Container to the Management VRF
- Limiting CPU/Memory/Disk Usage for Third Party Containers
- Option to Send Audit Log Messages to Syslog Server
- Multi-Site Data Center Interconnect(DCI)
- Warm Reboot, Fast Reboot

Layer 2 Features

- VLAN
- Interface Hold-Down
- Static LAG
- LACP Graceful Shutdown
- LACP Fast Rate and LACP Fallback
- LLDP
- UDLD
- PVST and RPVST+
- STP, MSTP
- DHCP snooping
- Link Tracking

CS81-24Q8QDA Ethernet Switch Technical Specifications**Software Specifications****Layer 3 Features**

- IPv4,IPv6
- IGMP
- IPV6 Routing
- Virtual Routing and Forwarding
- Border Gateway Protocol
- Next Hop Group (NHG) Support
- IPv4 ARP
- OSFv2
- Route-Maps
- Static Routes
- Policy-Based Routing
- Virtual Router Redundancy Protocol
- Network Address Translation
- ECMP load Sharing
- IP Helper
- RPVST, PVST, and MSTP over MC-LAG

ACL and Flow-Based Services

- PBR Enhancements for Service Chaining
- ACL-based CoPP
- ACL DSCP Map/Remarking
- ACL Rate Limiting
- Control Plane ACL
- Policy-based Routing (IPv4 and IPv6)
- ACL-based Packet Replication
- ACL Consistency Checker

Security Features

- RADIUS and TACACS
- RADIUS/TACACS Password Obfuscation
- NTP Server and NTP Authentication
- NTP Prefer Option
- LDAP Integration
- AAA Authorization support with TACACS+

Manageability Features

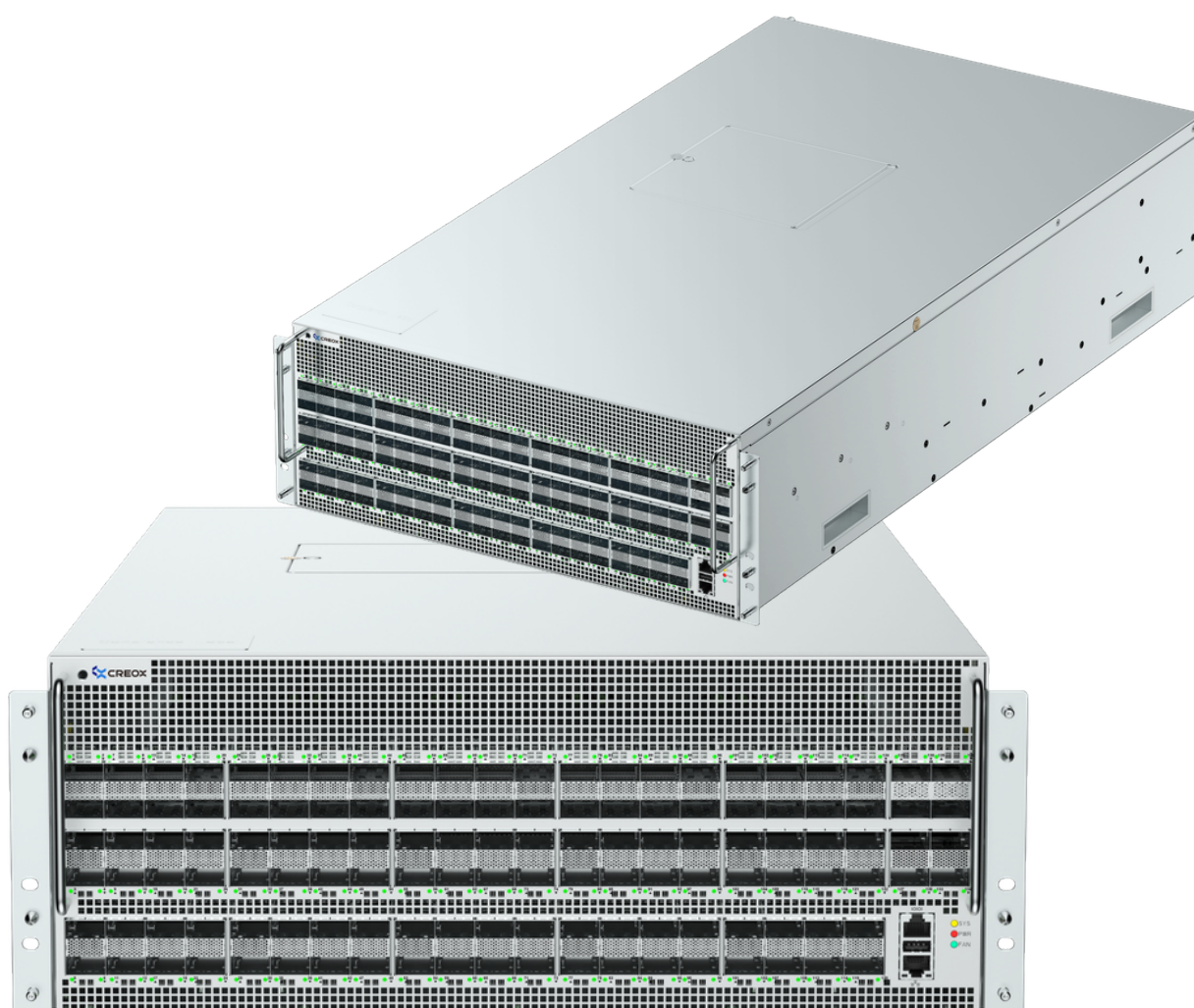
- Industry Standard CLI (IS-CLI)
- REST and gNMI Interfaces via OpenConfig YANG (OC-YANG)
- Role-Based Access Control (RBAC)
- RBAC and HAMd Enhancements
- SNMP Configuration Traps and OIDs
- gNMI Subscription Support for Limited YANG Paths (OnChange, Interval, Once, Poll, Target defined)
- Bulking support in both REST(YANG patch) and gNMI
- Query parameter for REST and filtering support for gNMI
- Scalar encoding support for gNMI
- Support to Read Service Tag via SNMP
- SNMP Trap Enablement on Interface Instead of Global

CS81-24Q8QDA Ethernet Switch Technical Specifications

Software Specifications	
Debuggability/ Serviceability features	• In-memory Debug Logging • Audit Logging and Syslogs • Command to Return Interfaces to the Default Configuration • Port Mirroring on Port Channel and VLAN
QoS	• Flow-Based QoS • Scheduler Policy • Port Shaping • Qos Maps • Control Plane Policing • Priority Flow Control • Storm Control • Buffer Management
Telemetry	• sFlow • GRPC • Inband Flow Analytics • Packet Drop Monitoring

CS84-128Q1A

BORN FOR AI
400G ULTRA HIGH BANDWIDTH SWITCH



Overview

The **CS84-128Q1A** switch is purpose-built for HPC (high performance computing), AI, ML application. It is deployed at the spine/leaf layer in the hyperscale datacenter network.

Housed in a 4RU chassis, this high-density switch features 128 x 400GbE QSFP112 ports (supporting 400G/200G/100G flexibility), delivering up to 51.2 Tbps non-blocking switching capacity with full L2/L3 feature support.

CS84-128Q1A is pre-installed with ONIE (Open Network Installation Environment), supporting open-source SONIC and various commercial NOS.

Application

Artificial Intelligence, Machine Learning, High Performance Computing

Product Features

Compact Design

- 128 x QSFP112 400GbE ports supported
- Up to 51.2 Tbps non-blocking switching capacity
- Packet forwarding rate 21000 Mpps
- Latency of 600 nanosecond
- High power efficiency

High Reliability

- Redundant design for power supply and fan
- Software real-time monitoring of system status

OS Compatibility

- Pre-loaded with Open Network Install Environment (ONIE), supporting open-source SONIC and multiple commercial NOS

CS84-128Q1A Data Center Switch Technical Specifications

Hardware Specifications	
Service port	128x 400G QSFP112 (4x112G PAM4)
Service port indication	QSFP112: 1 LED/Port
Switching chip	Broadcom BCM78900 (Tomahawk5)
Switching Capacity	51.2 Tbps non-blocking
Packet forwarding rate	21000 Mpps
Management port	1x 10/100/1000Base-T MGMT
	1x USB 2.0 Type A
	1x RJ45 Console
	3x Status LED (Yellow-Green Bi-Color)
CPU	CPU: Intel Ice lake-D 8C16T (D-1734NT)
	2x SODIMM DDR4 16GB (up to 32GB), w/ECC
	240GB M.2 SSD
BMC	Aspeed AST2520
Power source	2+2 redundancy, 1600W CRPS PSU
	AC: 90~264VAC, HVDC: 180V~300VDC
Fan	N+1 redundancy, 5 fan modules
	Airflow: F2B
Typical Power Consumption	2200W
Operating temperature	0°C to 40°C, 5% to 90% RH
Size	440mm x 800mm x 175mm
Weight	~ 45kg

CS84-128Q1A Data Center Switch Technical Specifications

Software Specifications

System and Platform Infrastructure Features

- Dynamic Port Breakout
- DOM Information Display
- System Locator LED Support (Beacon)
- CMIS 4.0 Optics Support
- CoPP (Control Plane Policing)
- Transceiver Parameter Tuning
- Third-Party Container Management
- PDDF and PDK Framework
- Maintenance Mode
 - LACP Graceful Shut
 - BGP Graceful Shut
 - OSPFv2 Maximum Metrics
- Multi-Instance Redis DB
- Zero Touch Provisioning (ZTP)
- ZTP Provisioning using a USB Drive
- Auto Negotiation and Link Training
- Forwarding Plane Drop Counters
- Time Zone Command Support
- Broadcom Debug Tool
- Interface Beacon LED
- Support Option to Bind the Third-Party Container to the Management VRF
- Limiting CPU/Memory/Disk Usage for Third Party Containers
- Option to Send Audit Log Messages to Syslog Server
- Multi-Site Data Center Interconnect(DCI)
- Warm Reboot, Fast Reboot

Layer 2 Features

- VLAN
- Interface Hold-Down
- Static LAG
- LACP Graceful Shutdown
- LACP Fast Rate and LACP Fallback
- LLDP
- UDLD
- PVST and RPVST+
- STP, MSTP
- DHCP snooping
- link Tracking

CS84-128Q1A Data Center Switch Technical Specifications

Software Specifications

Layer 3 Features

- IPv4,IPv6
- IGMP
- IPV6 Routing
- Virtual Routing and Forwarding
- Border Gateway Protocol
- Next Hop Group (NHG) Support
- IPv4 ARP
- OSPFv2
- Route-Maps
- Static Routes
- Policy-Based Routing
- Virtual Router Redundancy Protocol
- Network Address Translation
- ECMP load Sharing
- IP Helper
- RPVST, PVST, and MSTP over MC-LAG

ACL and Flow-Based Services

- PBR Enhancements for Service Chaining
- ACL-based CoPP
- ACL DSCP Map/Remarking
- ACL Rate Limiting
- Control Plane ACL
- Policy-based Routing (IPv4 and IPv6)
- ACL-based Packet Replication
- ACL Consistency Checker

Security Features

- RADIUS and TACACS
- RADIUS/TACACS Password Obfuscation
- NTP Server and NTP Authentication
- NTP Prefer Option
- LDAP Integration
- AAA Authorization support with TACACS+

Manageability Features

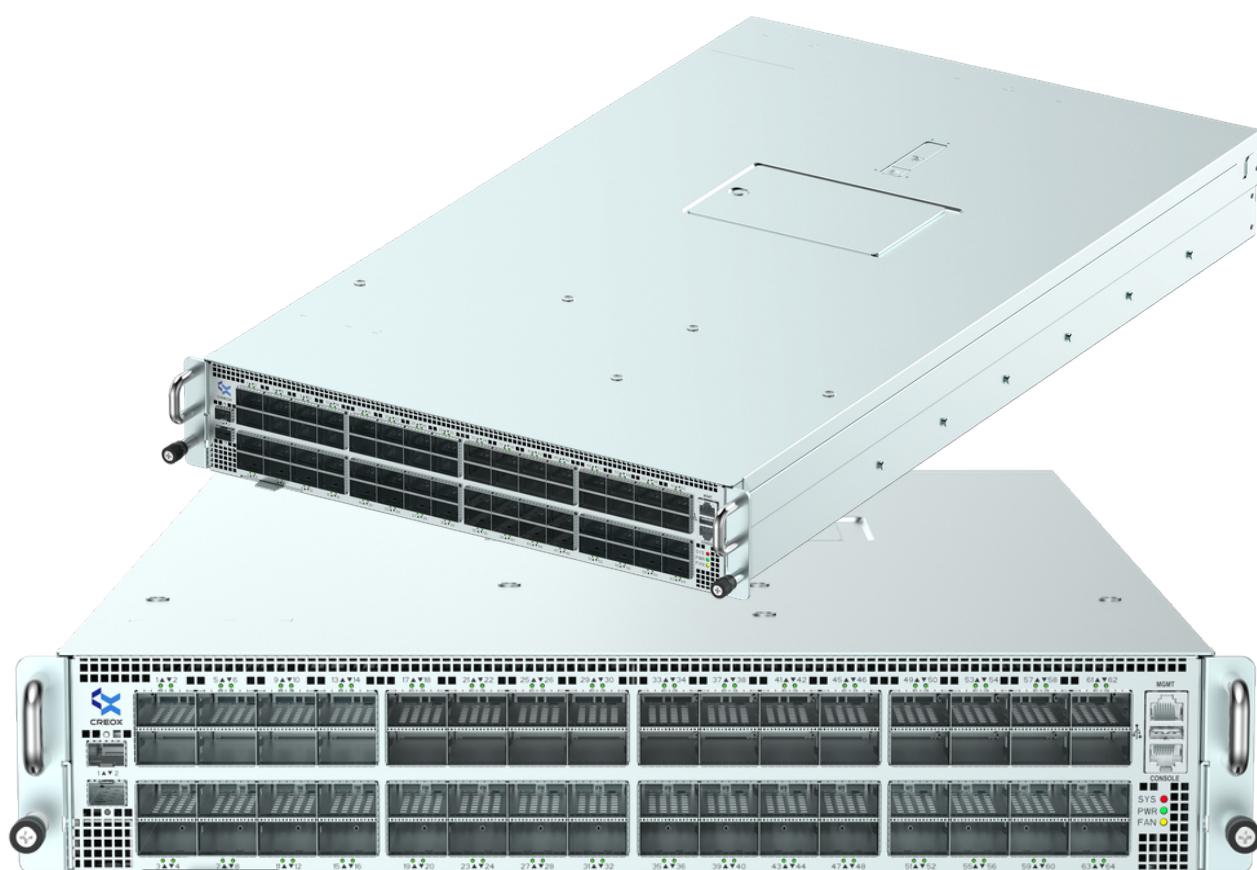
- Industry Standard CLI (IS-CLI)
- REST and gNMI Interfaces via OpenConfig YANG (OC-YANG)
- Role-Based Access Control (RBAC)
- RBAC and HAMd Enhancements
- SNMP Configuration Traps and OIDs
- gNMI Subscription Support for Limited YANG Paths (OnChange, Interval, Once, Poll, Target defined)
- Bulking support in both REST(YANG patch) and gNMI
- Query parameter for REST and filtering support for gNMI
- Scalar encoding support for gNMI
- Support to Read Service Tag via SNMP
- SNMP Trap Enablement on Interface Instead of Global

CS84-128Q1A Data Center Switch Technical Specifications

Software Specifications	
Debuggability/ Serviceability features	• In-memory Debug Logging • Audit Logging and Syslogs • Command to Return Interfaces to the Default Configuration • Port Mirroring on Port Channel and VLAN
QoS	• Flow-Based QoS • Scheduler Policy • Port Shaping • Qos Maps • Control Plane Policing • Priority Flow Control • Storm Control • Buffer Management
Telemetry	• sFlow • GRPC • Inband Flow Analytics • Packet Drop Monitoring

CS92-640PA

**FUTURE-ORIENTED, UNLEASHING
COMPUTING POWER
800G ULTRA-HIGH BANDWIDTH SWITCH**



Overview

The **CS92-64OPA** is a purpose-built 800GbE Ethernet switch, designed for spine/leaf layer deployment in hyperscale datacenter networks.

Housed in a 2RU chassis, the switch delivers 64-port 800GbE interfaces with support for up to 51.2Tbps non-blocking switching capacity and full L2/L3 features. Pre-installed with ONIE (Open Network Installation Environment), CS92-64OPA supports open-source SONIC and multiple commercial NOS.

Application

Artificial Intelligence, Machine Learning, High Performance Computing

Product Features

Ultra-Large Capacity

- 2RU design with 64×800G ports delivers 102.4T non-blocking switching capacity (full duplex)
- Packet forwarding rate 21000 Mpps
- Latency of 600 nanosecond
- High power efficiency

High Performance Design

- PHYless architecture ensures superior signal integrity
- Air-cooling support

OS Compatibility

- Pre-loaded with Open Network Install Environment (ONIE), supporting open-source SONIC and multiple commercial NOS

CS92-64OPA Data Center Switch Technical Specifications

Hardware Specifications	
Service port	64x OSFP112 (8x112G PAM4)
Service port indication	OSFP112: 1 LED/Port
Switching chip	Broadcom BCM78900 (Tomahawk5)
Switching Capacity	51.2 Tbps non-blocking
Packet forwarding rate	21000 Mpps
Management port	1x 10/100/1000Base-T MGMT
	1x USB 2.0 Type A
	1x RJ45 Console
	2x SFP28
	3x Status LED (Yellow-Green Bi-Color)
CPU	CPU: Intel Ice lake-D 8C16T (D-1734NT)
	2x SODIMM DDR4 16GB (up to 32GB), w/ECC
	480GB M.2 SSD
BMC	Run BMC, AST2620
Power source	1+1 redundancy, 3200W CRPS PSU
	AC: 90~264VAC, HVDC: 180V~300VDC
Fan	N+1 redundancy, 4 fan modules
	Airflow: F2B
Operating temperature	0°C to 40°C, 10% to 90% RH
Size	440mm x 780mm x 87.5mm
Weight	~ 30kg
Certified	CQC, CE

CS92-64OPA Data Center Switch Technical Specifications

Software Specifications

System and Platform Infrastructure Features

- Dynamic Port Breakout
- DOM Information Display
- System Locator LED Support (Beacon)
- CMIS 4.0 Optics Support
- CoPP (Control Plane Policing)
- Transceiver Parameter Tuning
- Third-Party Container Management
- PDDF and PDK Framework
- Maintenance Mode
 - LACP Graceful Shut
 - BGP Graceful Shut
 - OSPFv2 Maximum Metrics
- Multi-Instance Redis DB
- Zero Touch Provisioning (ZTP)
- ZTP Provisioning using a USB Drive
- Auto Negotiation and Link Training
- Forwarding Plane Drop Counters
- Time Zone Command Support
- Broadcom Debug Tool
- Interface Beacon LED
- Support Option to Bind the Third-Party Container to the Management VRF
 - Limiting CPU/Memory/Disk Usage for Third Party Containers
 - Option to Send Audit Log Messages to Syslog Server
 - Multi-Site Data Center Interconnect(DCI)
 - Warm Reboot, Fast Reboot

Layer 2 Features

- VLAN
- Interface Hold-Down
- Static LAG
- LACP Graceful Shutdown
- LACP Fast Rate and LACP Fallback
- LLDP
- UDLD
- PVST and RPVST+
- STP, MSTP
- DHCP snooping
- link Tracking

CS92-64OPA Data Center Switch Technical Specifications

Software Specifications	
Layer 3 Features	• IPv4,IPv6 • IGMP • IPV6 Routing • Virtual Routing and Forwarding • Border Gateway Protocol • Next Hop Group (NHG) Support • IPv4 ARP • OSPFv2 • Route-Maps • Static Routes • Policy-Based Routing • Virtual Router Redundancy Protocol • Network Address Translation • ECMP load Sharing • IP Helper • RPVST, PVST, and MSTP over MC-LAG
ACL and Flow-Based Services	• PBR Enhancements for Service Chaining • ACL-based CoPP • ACL DSCP Map/Remarking • ACL Rate Limiting • Control Plane ACL • Policy-based Routing (IPv4 and IPv6) • ACL-based Packet Replication • ACL Consistency Checker
Security Features	• RADIUS and TACACS • RADIUS/TACACS Password Obfuscation • NTP Server and NTP Authentication • NTP Prefer Option • LDAP Integration • AAA Authorization support with TACACS+
Manageability Features	• Industry Standard CLI (IS-CLI) • REST and gNMI Interfaces via OpenConfig YANG (OC-YANG) • Role-Based Access Control (RBAC) • RBAC and HAMd Enhancements • SNMP Configuration Traps and OIDs • gNMI Subscription Support for Limited YANG Paths (OnChange, Interval, Once, Poll, Target defined) • Bulking support in both REST(YANG patch) and gNMI • Query parameter for REST and filtering support for gNMI • Scalar encoding support for gNMI • Support to Read Service Tag via SNMP • SNMP Trap Enablement on Interface Instead of Global

CS92-64OPA Data Center Switch Technical Specifications

Software Specifications	
Debuggability/ Serviceability features	• In-memory Debug Logging • Audit Logging and Syslogs • Command to Return Interfaces to the Default Configuration • Port Mirroring on Port Channel and VLAN
QoS	• Flow-Based QoS • Scheduler Policy • Port Shaping • Qos Maps • Control Plane Policing • Priority Flow Control • Storm Control • Buffer Management
Telemetry	• sFlow • GRPC • Inband Flow Analytics • Packet Drop Monitoring



Switch

CS94-12801A

BORN FOR AI
800G ULTRA HIGH BANDWIDTH SWITCH



Overview

The CS94-12801A switch is purpose-built for HPC (high performance computing), AI, ML application. It is deployed at the spine/leaf layer in the hyperscale datacenter network.

Housed in a 4RU chassis, this high-density switch features 128 x 800GbE OSFP112 ports (supporting 800G/400G/200G/100G flexibility), delivering up to 102.4Tbps non-blocking switching capacity with full L2/L3 feature support.

CS94-12801A is pre-installed with ONIE (Open Network Installation Environment), supporting open-source SONiC and various commercial NOS.

Application

Artificial Intelligence, Machine Learning, High Performance Computing

Product Features



Advanced multi-grade multi-plane switching architecture

- Ultra-Large Capacity: Provides 102.4T non-blocking switching capacity
- High Radix with Flexible Port Modes: 512 logical ports with 100G/200G/400G/800G port speeds
- ESUN support for AI/ML XPU scale up: Low latency, optimized for memory semantics transfer. UEC1.0 support
- NOS Software Support: Pre-installed with ONIE (Open Network Installation Environment), supporting open-source SONiC and/or Broadcom Enterprise SONiC



Comprehensive maintenance and monitoring

- One-Click Diagnostics: Enables rapid and precise fault localization
- Log Collection: Allows for one-click collection of system operation logs
- Real-Time Monitoring: Supports second-level monitoring of system status

CS94-12801A Data Center Switch Technical Specifications

Hardware Specifications	
Service port	128 x 800G OSFP112
OSFP Support	OSFP-IHS, Power, 16W Optics: 80G-OSFP/2xFR4/DR8/SR8 AOC/AEC/ACC/DAC
Port indicators	2 LED/Port
Switching chip	Broadcom BCM78910 (Tomahawk6)
Switching Capacity	102.4Tbps non-blocking
Management port	1x 10/100/1000Base-T MGMT 1 x USB 2.0 Type-A 1 x RJ45 & USB Type-C Console Port 2 x SFP28
CPU	Intel Ice lake-D (D-1734NT) 8C16T *supports upgrade to new platform, DDR5 2 x DDR4 SODIMM, 16GB each (up to 32GB), ECC supported (DDR Mirror support) 240GB M.2 SATA SSD
BMC	Run BMC, Aspeed AST2620 *supports upgrade to 2720/2700
Power source	2+2 redundancy, 2700W CRPS AC: 90-254 VAC, HVDC: 180-300 VDC
Fan	5 (4+1 redundancy) Front-to-Back (F2B) airflow
Typical Power Consumption	5300W (max)
Operating temperature	0°C to 40°C, 5% to 90% RH
Dimensions	446mm x 800mm x 137.6mm
Weight	~ 40kg
EMC/EMI	FCC, EN 55022, EN 61000-3-2, EN 61000-3-3 (or EN 61000-3-11), EN 61000-3-12, EN 55024, and EN 300 286
Safety	UL/CSA 60950-1, EN 60950-1, and IEC 60950-1

CSA2-6402A

**FUTURE-ORIENTED, UNLEASHING
COMPUTING POWER
1.6T ULTRA-HIGH BANDWIDTH SWITCH**



Overview

The CSA2-6402A is a purpose-built 1.6T Ethernet switch, designed for spine/leaf layer deployment in hyperscale datacenter networks.

Housed in a 2RU chassis, the switch delivers 64-port 1.6T interfaces with support for up to 102.4Tbps non-blocking switching capacity and full L2/L3 features.

Pre-installed with ONIE (Open Network Installation Environment), CSA2-6402A supports open-source SONiC and multiple commercial NOS.

Application

Artificial Intelligence, Machine Learning, High Performance Computing

Product Features

Advanced multi-grade multi-plane switching architecture

- Ultra-Large Capacity: Provides 102.4T non-blocking switching capacity
- High Radix with Flexible Port Modes: 512 logical ports with *100G/200G/400G/800G/1.6T port speeds
- High-Performance Design: Achieves superior SI (Signal Integrity) performance through PHYless. More than 20 ports support LPO and 1m DAC
- *Air-Liquid Hybrid Cooling Solution: Liquid cooling for optics and switch, air cooling for other parts. Supporting high power 32~43W optics
- ESUN support for AI/ML XPU scale up: Low latency, optimized for memory semantics transfer. UEC1.0 support
- NOS Software Support: Pre-installed with ONIE (Open Network Installation Environment), supporting open-source SONiC and/or Broadcom Enterprise SONiC

Comprehensive maintenance and monitoring

- One-Click Diagnostics: Enables rapid and precise fault localization
- Log Collection: Allows for one-click collection of system operation logs
- Real-Time Monitoring: Supports second-level monitoring of system status

CSA2-6402A Technical Specifications

Port Config	64x OSFP224 + 2x SFP28
OSFP Support	OSFP-RHS, Power 32W Optics: 1.6T-OSFP/2xFR4/DR8/SR8
Port Indicator	1 LED Port
Switching ASIC	Broadcom BCM78914 (Tomahawk6)
Switching Capacity	102.4 Tbps non-blocking
Management Ports	1x 10/100/1000 Base-T Management Port 1x USB 2.0 Type A 1x RJ45 & USB Type-C Console Port 2x SFP28
CPU Subsystem	Intel Ice Lake-D (D-1734NT), 8C/16T *supports upgrade to new platform, DDR5 2x SODIMM DDR4 16GB (up to 32GB), ECC supported (DDR MIRROR support) 256GB M.2 SATA SSD
BMC	RunBMC, Aspeed AST2620 *supports upgrade to 2720/2700
Power Supply	2+2 redundancy, 2700W CRPS AC: 90~264VAC, HVDC: 180V~300VDC
Fan	2 (1+1 Redundancy); Front-to-Back (F2B) airflow
Typical Power Consumption	4500W max
Operating Temperature	Air Cooling: 0°C to 40°C, 5% to 90% RH Liquid Cooling Flow Rate: 10LPM Liquid Type: PG25 Liquid Inlet Temperature: 0°C to 40°C
Size Weight	440mm x 810mm x 87.5mm ~30Kg
EMC/EMI	FCC, EN55022, EN61000-3-2, EN61000-3-3 or EN61000-3-11, EN61000-3-12, EN55024 & EN300 386
Safety	UL/CSA 60950-1, EN 60950-1, IEC 60950-1



Partner with Creox to Scale Smarter

For more information or to book a demo session,
contact sales@creoxtech.com