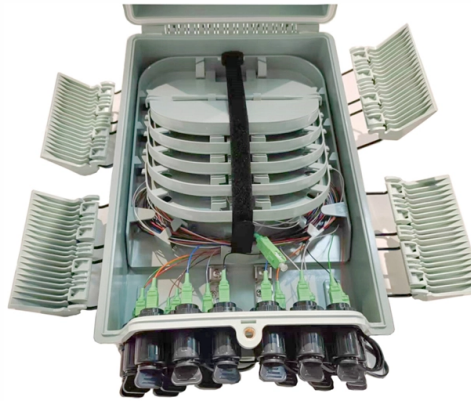


# 800G Core Switch for Supercomputing Center



## Overview

The Edgecore AIS800-64D is a high-performance, low-latency switch for high-performance data centers. Breakout options include 2 x 400G, 4 x 200G, and 8 x 100G per port, with a maximum of 320 logical ports. 800G Ethernet emerges as the next-generation networking technology, delivering unparalleled bandwidth, improved energy efficiency, and scalable architecture to meet the demands of AI, cloud computing. H3C UniServer R6900 G6 server, running a full load of 777 high-load virtual machines, achieved a performance score of 13,880 points, setting a new record. H3C's sub-brand Aolynk, designed specifically for SMB (small and medium-sized business) in global markets. These switches ensure accelerated Ethernet connectivity across all data center environments, maintaining top-notch performance and feature richness. 2 Tbps switching capacity and featuring 64x800G ports, it scales effortlessly to support.



## Article Content

Jan 27, 2026

Edgecore AIS800-640 | 800G Cloud& Data Center

Edgecore AIS800 is an ultra-high-density 800G OSFP switch designed for advanced data center and AI network environments that require maximum bandwidth,

Jan 04, 2026

Supermicro SSE-T8164 800G Ethernet Switch

Designed specifically to enhance data center networks, the SSE-T8164 offers 64 ports at 800 gigabits per second. These switches ensure accelerated Ethernet connectivity across all data center

Aug 03, 2025

800G Data Center Switches

The S9320-32ED 800G Data Center Switch offers 8x 800GE & 24x 400GE ports, advanced AI/ML traffic control, and 16 Tbps capacity, ideal for high-performance computing.

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400G/800G Data Center Interconnect: Deployment

Comprehensive analysis of 400G/800G data center interconnect deployment trends, switch technologies, market adoption patterns, and

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Asterfusion 800G Ethernet Switch with its Enterprise

Asterfusion is going to release its 800G Ethernet Switch with 51.2 Tbps capacity based on Marvell Teralynx 10 and preload with Enterprise

Sep 10, 2025

AIS800-64D:High-Performance ai switch for Data Centers

The Edgecore AIS800-64D is a high-performance, low-latency switch for high-performance data centers. A next-generation, highest-capacity switch for data

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Data Center Switch

Celestica's 800G Family of Network Switches are purpose-built to support cutting-edge AI/ML and HPC requirements. The DS5000 delivers unparalleled high

Jan 21, 2026

AIS800-64D:High-Performance ai switch for Data Centers

64 x QSFP-DD800 switch ports with Tomahawk 5 High-performance, low-latency switch for high-performance data centers

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800GbE Switch 64x 800G OSFP 51.2Tbps Enterprise

Delivering a massive 51.2 Tbps switching capacity and featuring 64x800G ports, it scales effortlessly to support ultra-large data centers with performance rivaling

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How NVIDIA ConnectX-8 SuperNIC Became a

Explore how ConnectX-8 SuperNIC revolutionizes AI server design via PCIe Gen6 for NVIDIA RTX Pro, while driving 800G and 1.6T transceiver growth

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How to Choose a Next-Gen 400/800G Switch for AI

400/800G AI Data Center Switches Market Trends The 400G and 800G data center switch market is characterized by strong demand, rapid

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The Rise of 800G Ethernet: FS 800G AI Switches for

Discover 800G Ethernet technology and FS 800G AI switches, delivering ultra-high bandwidth, low latency, and lossless performance for AI/ML

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H3C tests its 64X800G data center CPO switch

H3C conducted a large-scale, high-density test of 64 ports of 800G Ethernet across its S9827 800G CPO silicon photonic switch.

Nov 08, 2025

Edgecore Networks debuts 800G switch to power AI/ML

Edgecore Networks is expanding its portfolio, taking aim at the emerging trend of artificial intelligence (AI) and machine learning (ML) workloads

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Cloud Networking Evolution: Mellanox Switch Solutions

Mellanox switch technology enables cloud networking transformation from 100G to 800G, delivering 300% higher capacity and 67% better power

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SONiC Powered N9500-640C: A High-Performance

Explore NADDOD's 800G N9500-640C, a SONiC-based 51.2T AI data center switch with high throughput, low latency, and open-source flexibility.

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800G Silicon Photonic Switches: Revolutionizing AIGC

It is suitable for business scenarios such as AIGC clusters or high-performance core switching of data centers, helping to release the ultimate

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Edgecore Networks debuts 800G switch to power AI/ML workloads

Scaling to 800G for AI According to Edgecore, hyperscale data centers are increasingly adopting Ethernet-based fabrics in order to reduce job completion times for AI workloads.

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560ns Ultra-Low Latency: Asterfusion's 800G AI Switch

So now, let's lift the curtain and take a deep dive into this groundbreaking switch — exploring its internal structure and engineering

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Understanding 800G Ethernet: Architecture, Standards, and Strategic ...

Comprehensive guide to 800G Ethernet deployment — technical architecture, QSFP-DD vs OSFP comparison, migration roadmap, ROI/TCO analysis, deployment checklist, and FAQ for

Nov 25, 2025

AIS800-640 (OSFP800)

The Edgecore DCS560 / AIS800-640 is a high-performance, low-latency switch ideal for data centers, AI/ML clusters, and high-performance computing. It features 64x

Jul 10, 2025

Accelerate AI Infrastructure: FS 800G Switches

Explore FS 800G AI data center solutions featuring ultra-low latency RoCEv2 networking, high-bandwidth TH5 switches, and intelligent

May 27, 2026

1-800G Data Center Switches from Edgecore, UfiSpace, and BDCOM

The Edgecore AIS800-32D delivers exceptional 25.6 Terabit performance in a compact 1RU form factor, featuring 32 x 800G QSFP-DD800 ports built on Broadcom's Tomahawk 5 silicon. This high-density,

Jan 02, 2026

800G Ethernet AI Data Center Switches

NADDOD's 800G Ethernet AI data center switch, with 51.2Tbps bandwidth, Broadcom Tomahawk 5, and SONiC OS, delivers low-latency, lossless performance with scalability for AI workloads.

Nov 12, 2025

AIS800-320

A next-generation, highest-capacity switch for data center spine use case. Breakout options include 2 x 400G, 4 x 200G, and 8 x 100G per port, with a maximum of

## Contact Us

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