

Solution AI Server 400G



Overview

Ultra-efficient 400G OSFP transceiver enabling high-density AI/ML cluster connectivity. Features 4x100G PAM4 breakout via dual MPO-12 ports for flexible AI server-to-switch links up to 50m OM4/5. As the industry's first Ultra Ethernet Consortium (UEC)-ready AI Networking Interface Card (NIC), the AMD Pensando™ Pollara 400 AI NIC is engineered to accelerate applications running across AI nodes in mega-scale and giga-scale data centers, achieving up to 400 Gigabit per second (Gbps) Ethernet. The CX-N series is particularly noteworthy, featuring a vast array of ports including 800G, 400G, 200G, and 100G, with capacities ranging from 2T to an astounding 51. Their latest 800G AI switch is a game-changer, boasting ultra-large capacity with 64 x 800G Ethernet ports with a total. At the core of AI's transformative power are data centers, FS 400G RoCE lossless network solution offers a full-stack, integrated approach, spanning from network hardware to management software. Powered by 400G PicOS® Ethernet switches and AmpCon-DC Management Platform, it delivers the highest. 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. An ultra-compact, palm-sized AI. APCON's latest three 400G solutions proactively address faster data processing needs at lower latencies while reducing costly network downtime — which often delays real-time workflows, user productivity, and customer communications.

Article Content

AI Switches for 100G/200G/400G and 800G Ports By Asterfusion

As AI applications grow exponentially, the demand for robust, energy-efficient interconnects becomes critical. Asterfusion's IP/Ethernet solutions are designed to meet these

AI/GPU Server Solutions - PTspeed

Empower your AI and GPU servers with our high-speed cables and transceivers. Designed for maximum bandwidth, our products ensure seamless data flow, faster processing, reduced latency, and

Infineon unveils 400-V MOSFETs for AI server power

Redefining power density and efficiency in AI server PSUs, the 400-V MOSFETs address the surge in energy demand of high-level GPUs.

FS Introduces Future-Ready 200G Switch Solution for AI

FS, Inc. highlights the N8550-24CD8D, a future-ready 200G switch widely adopted in AI storage and evolving data center deployments.

Infineon Releases CoolSiC™ MOSFETs 400 V for AI

In addition, the system solution for AI Server PSUs is completed by implementing CoolGaN™ transistors in the DC/DC stage. With this combination

High-Performance Ethernet Networking for Artificial Intelligence Systems

Introduction: 400G AI Networks With the proliferation of AI/ML, disaggregated storage, and High-Performance Computing (HPC), today's data centers require a high-performance, low-latency

Dense AI GPU Servers with NVIDIA HGX and AMD

Dense AI GPU servers Power massive GPU density on NVIDIA HGX and AMD OAM platforms Train trillion-parameter LLMs, run advanced simulations, and more with

Introducing the AMD Pensando™ Pollara 400 AI NIC

By combining proven server designs, powerful AMD compute, and Pollara 400's fully programmable 400G Ethernet, these platforms help

Artificial Intelligence (AI) is Just the Beginning: How

APCON, Inc., a global market leader in advanced network insight and monitoring solutions, is helping data centers prepare for the advancement of Artificial

Cisco 400G Data Center Networking

Transform your data center networking infrastructure with high-density 400G Cisco switches scalable to 800G. Optimized for simplicity and sustainability.

AI Private Cloud and Servers: For Your Most Demanding Workloads

Accelerate innovation with our AI private cloud and servers. Empower your IT with cutting-edge technology for predictive analytics, machine learning, and more.

400G to 800G Upgrade: The Complete AI Data Center Guide

A comprehensive guide to upgrading your AI data center infrastructure from 400G to 800G networking — covering technical specifications, business ROI, phased migration strategy,

Leaf-Server (400G) AI Solution

OSFP 400G Flat-top, multimode transceiver, up to 50-Meter@ OM4 MMF, MPO-12/APC Interface Model: OSFPSR4X100-RHS US\$599.00 US\$249.00 Add to Cart

Lumen lights 400G connections to support AI, NaaS

Lumen NaaS continues to hum Lumen's growing AI focus has not hindered its legacy NaaS business, which recently surpassed a four-figure

The 400G/800G NDR Solution from NVIDIA

The switches that support 400G IB/EN require finned-top 2x400G transceivers due to reduced air flow inlets. The Cedar-7-to-Switch links can use

FS 400G/800G Open Networking Switch for Scalable AI and Multi

FS 400G/800G open networking switches provide scalable, programmable solutions for AI clusters and multi-tenant data center networks.

400G AI RoCE Data Center Networking

Powered by 400G PicOS® Ethernet switches and AmpCon-DC Management Platform, it delivers the highest performance for AI, machine learning, and HPC applications.

Introducing the AMD Pensando™ Pollara 400 AI NIC

AMD Pensando™ Pollara 400 AI NIC-Ready Server Platforms reflect our commitment to delivering flexible, standards-based solutions that evolve with

Infineon Technologies announces 400 V MOSFET

The business is currently introducing the new CoolSiC™ 400 V MOSFET family, which is built on the second generation (G2) CoolSiC

High-Performance Ethernet Networking for Artificial Intelligence Systems

Before digging into the details of how to maximize the network performance, it is critical to understand the server and network architecture basics. The diagram below shows a very high-level architecture

Addressing High AI Computing Costs and Inefficient

Addressing High AI Computing Costs and Inefficient Multi-Tenant Operations with 400G RoCE Network Solutions 2025-03-20 3 min read Topics:

Infineon unveils CoolSiC™ MOSFETs 400 V redefining power

In addition, the system solution for AI Server PSUs is completed by implementing CoolGaN™ transistors in the DC/DC stage. With this combination of high-performance MOSFETs

Addressing High AI Computing Costs and Inefficient

This technical solution not only ensures the independence and reliability of each tenant's resource pool, but also significantly improves the

400G OSFP Transceiver High-speed AI Data Center Solution

Ultra-efficient 400G OSFP transceiver enabling high-density AI/ML cluster connectivity. Features 4x100G PAM4 breakout via dual MPO-12 ports for flexible AI server-to-switch links up to 50m OM4/5.

Optimizing AI Networks: Connecting 400G Ports with Backward

This article explores how to connect 400G ports with backward-compatible QSFP-DD modules while leveraging QSFP112 transceivers for AI servers, ensuring scalable, low-latency, and high-bandwidth

AI Switches for 100G/200G/400G and 800G Ports By

This is the reality AI is crafting, fundamentally altering how networking, computing, and data storage systems operate. Asterfusion: Leading

How to Choose the Right AI Server

Summary Dell offers robust solutions for enterprises looking for high-performance and scalable AI servers, making it suitable for applications like fraud

400G Solutions

Comprehensive 400G Platforms For the most demanding environments the 400G routing and switching platforms provide flexibility and choice for large scale cloud,

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://invest-bud.com.pl>

Email: sales@ibud-photonics.com

Phone: +33 1 45 62 89 07

Address: 10 Avenue des Champs-Élysées, 75008 Paris, France

This document is for informational purposes only. Specifications subject to change without notice.

