Huawei 384 Optical Module

Unlike Nvidia"s GPU-centric approach, Huawei employs an all-to-all topology, connecting 384 Ascend 910C chips through advanced optical interconnects rather than traditional copper links.

The Huawei CloudMatrix 384 is a bold, strategic counterpunch to NVIDIA, proving that domestic engineering, scale, and optical networking can offset per-chip performance disadvantages. ...

CloudMatrix 384 super-node uses 6912 x 400G OSFP silicon photonic (SiPh) Linear Drive Pluggable Optics (LPO) optical modules and 3168 fibers, connecting 384 Ascend 910C ...

The CloudMatrix 384 doesn"t only outperform the NVL72 in terms of compute, it also offers 3.6x aggregate memory capacity and 2.1x more memory bandwidth.

Huawei"s 910C expansion relies on a hybrid optical + electrical interconnect, whereas NVIDIA primarily uses electrical interconnects. As ...

Discover how Huawei"s CloudMatrix 384 AI supercomputer outpaces Nvidia"s GB200 NVL72 with 384 Ascend chips, massive bandwidth, and optical interconnect.

Meet China"s newest and most powerful Chinese domestic solution, the CloudMatrix 384 built using the Ascend 910C. This solution competes directly with the GB200 NVL72, and in some ...

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A fully optical interconnect backbone, replacing traditional copper links and enabling ultra-low latency communication between nodes. This isn"t just a larger machine; it"s a more capable, ...

In the AI era, Huawei provides a full range of GE to 800GE optical modules, featuring three major capabilities: Spanning (ultra-long transmission), Stable (ultra-high reliability), and Secure (ultra-solid ...

The optical interconnection of Ascend 384 uses the Nebula optical module specially developed by Huawei HiSilicon for the optical interconnection scenarios of intelligent computing centers.

At glance Huawei"s CloudMatrix 384 is a rack-scale AI system composed of 384 Ascend 910C processors arranged in a fully optical, all-to-all mesh network.

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