

Intelligent Agent for Optical Transceiver Module

In this white paper we explore how the DWDM functions, parameters, and operational aspects of "smart" optical pluggable modules can be handled more efficiently in order to deal with the ...

This Perspective briefly reviews the history and current landscape of digital optics, with a focus on discussing its future development and challenge toward optical intelligent agents (OIAs).

With dual strengths in optical-module and optical-chip R& D and mass production, LIGENT stands among the few companies worldwide capable of scaling both.

In this study, we propose a framework of LLM-empowered optical networks, facilitating intelligent control of the physical layer and efficient interaction with the application layer through an ...

Discover the crucial role of 800G NDR optical transceivers in AI and large-scale model computations, driving innovation and creating an intelligent era.

ML techniques are proved to have superiority on solving complex problems, and thus recently, ML techniques have been used for many optical network applications. In this paper, a ...

In this article we discuss how AI and Transceivers could work together to build sustainable and scalable optical networks.

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Optical transceivers are evolving towards intelligence, integrating functions such as temperature sensing, power consumption monitoring, and failure prediction.

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