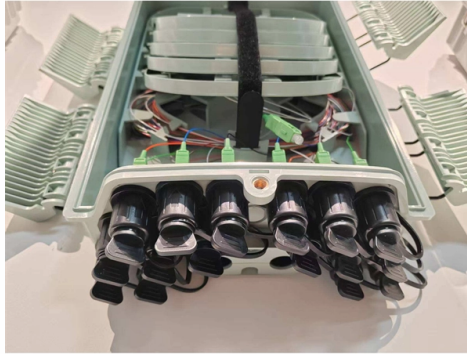


800 Concept of Optical Modules



Overview

Optical modules are compact devices that convert electrical signals into optical signals and vice versa. They are used in fiber optic communication systems to transmit data over long distances with minimal loss and interference. This high-end equipment is set to revolutionize the way data is transmitted and received, heralding a new era in data communication. 800G optical modules have emerged as the next-generation interconnect foundation, enabling higher bandwidth density, flatter network topologies, and more. In the era of artificial intelligence, the emergence of 800G optical modules is crucial for meeting the high-speed data transmission demands. Compared to 200G and 400G optical modules, 800G optical modules not only provide higher transmission rates and larger deployment scales but also prioritize. As 800G modules transition from early adoption to mainstream deployment, the industry is already developing the next generations: 1. 6T small-batch trial production.



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