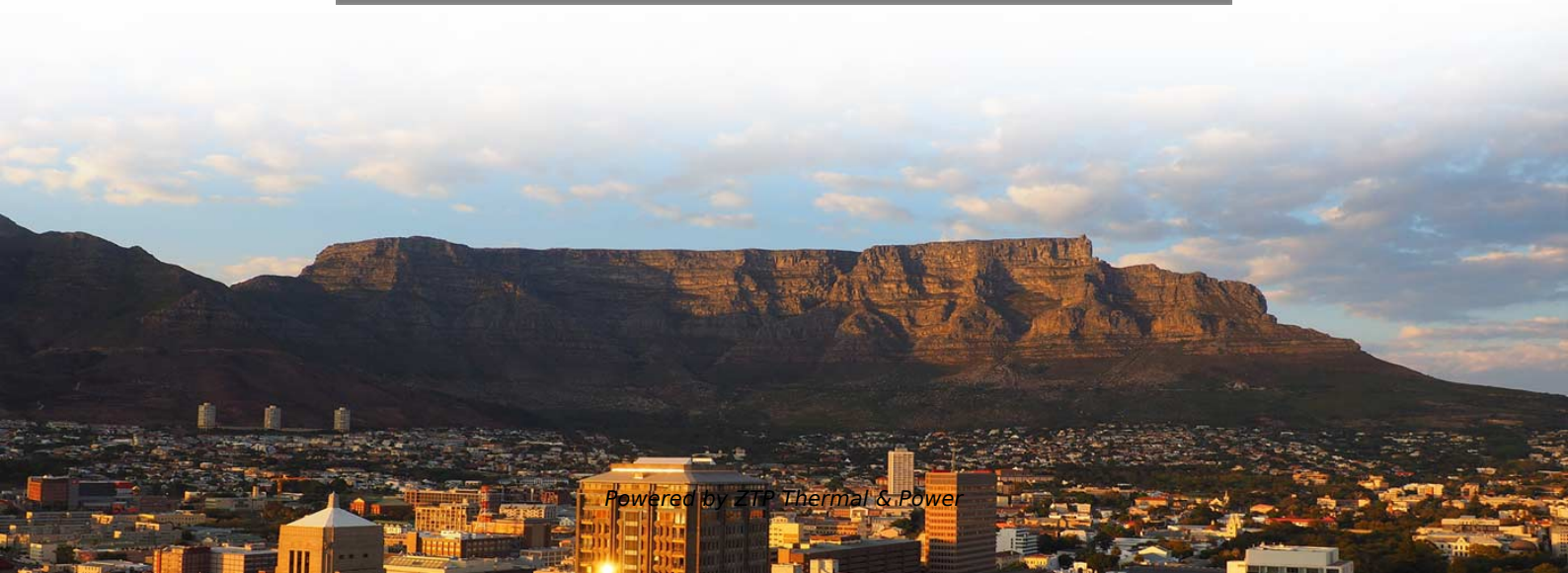
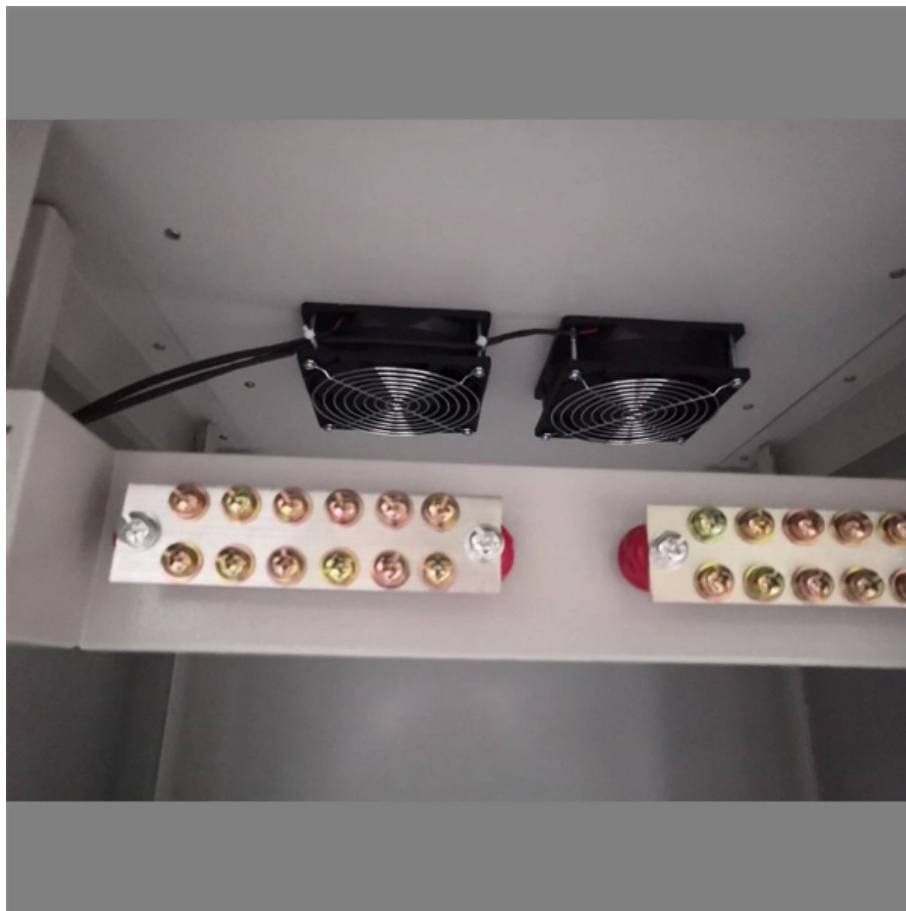


How to aggregate optical modules





Overview

By using a multi-port expander that links to several transceivers, we can aggregate the serial control channels and help make layout easier, while also reducing the Bill of Materials (BoM) cost. Designed to deliver high service density and scalability, these converged platforms. The Xingmai Passive Ethernet Network (PEN) is an all-optical campus network solution based on the passive technology. So, what exactly are fiber aggregation points?

They are the centralized hubs where multiple fiber optic cables intersect. Its primary function is to achieve optoelectronic conversion by converting electrical signals into optical signals and vice versa.



How to aggregate optical modules

Optical channel aggregation based on modulation

Hence, several low-quality DACs could be implemented to generate low spectral efficiency optical signals that can be later optically aggregated to a

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Optical module

Optical modules can either plug into a front panel socket or an on-board socket.



Sometimes the optical module is replaced by an electrical interface module that implements either an active or passive

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