

Vietnam wholesale price for PAM4 coherent optical modules

Article Overview

Wholesale prices for PAM4 coherent optical modules in Vietnam vary widely depending on speed, form factor, and supplier, typically ranging from several hundred to over a thousand USD per module.

Market Overview

PAM4 optical transceivers are widely used in data centers and enterprise networks for short to medium distances, while coherent optical modules are preferred for long-haul and high-capacity DWDM applications due to higher spectral efficiency and advanced DSP requirements. The global market for PAM4 modules is growing rapidly, driven by 5G deployment, cloud computing, and hyperscale data centers, with Asia-Pacific, including Vietnam, being a significant consumption region.

Vietnam Import and Supplier Landscape

Vietnam imports optical modules from over 4,500 global suppliers, with 3,131 active importers in the country. Leading importers include CAMMSYS Vietnam Co Ltd, Sunny Opotech Vietnam, and Shunyun Technology Hanoi, which together account for nearly half of the country's optical module imports. These companies handle bulk shipments, making them key contacts for wholesale procurement.

Pricing Trends

While exact wholesale prices fluctuate based on module type, speed (100G, 400G, 800G), and supplier, PAM4 modules are generally less expensive than coherent modules due to simpler design and lower DSP complexity. Coherent modules, leveraging advanced DSP and silicon photonics, command higher prices but offer longer reach and higher spectral efficiency. Historical data and market reports suggest that PAM4 modules in bulk can range from \$300-\$1,200 per unit, whereas coherent modules may exceed this range depending on specifications and volume.

Procurement Considerations

- o Form Factor: QSFP-DD and OSFP are common for PAM4; coherent modules often use CFP2 or CFP8.
- o Volume Discounts: Large orders from major importers like CAMMSYS Vietnam may reduce per-unit costs.
- o Customization: Some suppliers offer modules tailored for specific network requirements, affecting price.
- o Supply Chain: Lead times and import logistics can influence final wholesale pricing in Vietnam. For precise pricing, it is recommended to contact local importers directly or use platforms like Volza, which provide detailed shipment and buyer data, enabling negotiation based on historical import prices and supplier reliability.

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The 100GbE ColorZ module developed by Inphi for interconnecting Microsoft's datacentres was the first PAM4-based

PAM4 chips used as on-board re-timers are included in the Ethernet category. It also includes a database

Discover the benefits, features, and applications of 100G PAM4 DWDM optical modules, and learn how they compare

Compare Coherent and PAM4 modulation for optical transceivers. Learn differences, applications, costs, and when to

The coherent optical module market represents a critical segment within the broader optical communications

Find high-quality PAM4 optical transceivers for wholesale at competitive prices. Ideal for data centers and enterprises. Click to

PAM4 chips used as onboard re-timers are included in the Ethernet category. It also includes a database with historical data for 2016

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The global market for PAM4 optical transceivers continues to expand rapidly, driven by escalating data demands.

The entry of Chinese manufacturers into the optical component module market has led to a significant drop in sales

The chipsets include laser drivers, CDRs, TIAs and in some cases FEC, PAM4 and coherent DSP ICs. Demand for 400GbE

Coherent optics" main advantage is its ability to construct high-speed (100G/400G/800G) long-distance

These providers are investing heavily in coherent optical transceivers embedded with advanced DSPs capable of

These technologies required massive deployments of 800G and 1.6T PAM4 optical modules within backend

AI

LightCounting has published an update of its report on the Market for PAM4 and Coherent DSPs. According to the update from the

LightCounting has updated its forecast for sales of Coherent and PAM4 DSP chipsets, saying the market for optical

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