

Price List for 1 6T Optical Amplifier



Article Overview

The price of a 1.6T optical amplifier typically ranges from \$3,000 to \$6,000 per unit, depending on technology, form factor, and supplier.

Market Context and Pricing Factors

- **Technology and Form Factor** 1.6T optical modules, such as OSFP-XD and OSFP1600, are available with EML or TFLN-based designs and support high-speed data transmission for AI, HPC, and hyperscale data centers . Modules with silicon photonics (SiPh) or advanced DSPs for PAM4 modulation may command higher prices due to improved efficiency and integration .
- **Supply and Demand** The global 1.6T optical module market reached USD 1.14 billion in 2024 and is projected to grow rapidly, driven by AI workloads, cloud computing, and 5G/6G deployments . High demand in hyperscale data centers and AI clusters can influence pricing, especially for short-reach, high-performance modules.
- **Transmission Distance and Specifications** Modules supporting longer distances (e.g., 2 km DR8 MPO-16) or higher lane rates (200–224G per lane) may cost more than standard short-reach modules . Features like hot-swappable design, low power consumption, and compliance with OSFP MSA standards also affect pricing .
- **Supplier Variability** Prices vary by vendor. For example, suppliers like FiberMall and Cube Technology Trading offer high-performance 1.6T modules, and pricing can differ based on volume, customization, and support services .

Summary Estimate

- Entry-level 1.6T modules: ~\$3,000–\$4,000 per unit
- High-performance or long-reach modules: ~\$4,500–\$6,000 per unit...

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Cube Technology Trading's 1.6T optical transceivers feature two advanced architecture solutions: OSFP-XD and OSFP1600. These

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OSFP1.6T — Multilane

In this new ecosystem, OSFP1.6T has emerged as a leading standard to drive the development of 1.6T interconnectivity.

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1.6T/800G/400G Transceivers □ NADDOD

NADDOD 400G, 800G, and 1.6T transceiver solutions for AI data centers, HPC, and cloud networking. These optical modules deliver

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FiberMall's 1.6T Optical Module Roadmap

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1600G OSFP1600 2xDR4 500M 1.6T Optical Transceiver

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1.6T OSFP 2xDR4/DR8, 1310nm, 500m, DDM, CDR,

The MJ-OSFP1.6TB-DR8 is a cost-effective, high-performance OSFP module tailored for AI datacenter

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1.6T LPO OSFP Optical Transceiver Modules | AscentOptics

1.6T LPO OSFP transceivers are designed for ultra-high-speed data transmission, utilizing advanced LPO (Low Power Optics)

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China 1.6T Optical Transceiver Manufacturer, Optical Transceivers

FiberWDM is a professional Optical Transceivers manufacturer & supplier, we offer high quality 1.6T Optical Transceiver at the best

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1.6T Optical Transceiver 2026-2034 Market Analysis: Trends,

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1.6T/800G InfiniBand XDR Transceivers/DACs In

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1.6T OSFP DR8 Optical Transceiver for AI and 1.6T Ethernet

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For more information, pricing, or custom solutions, please contact us:

Website: <https://www.chromadecksigns-eastrand.co.za>

Email: sales@chromadecksigns-eastrand.co.za

Phone: +32 2 318 5792

Address: Avenue Louise 500, 1050 Brussels, Belgium

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