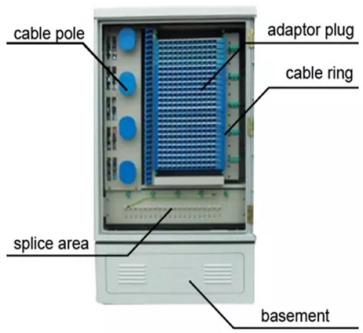
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Unit Price for Optical-to-Electrical Module Installation



Overview

Discover affordable electrical optical converters with Gigabit SFP transceivers, SC interfaces, and PoE support.

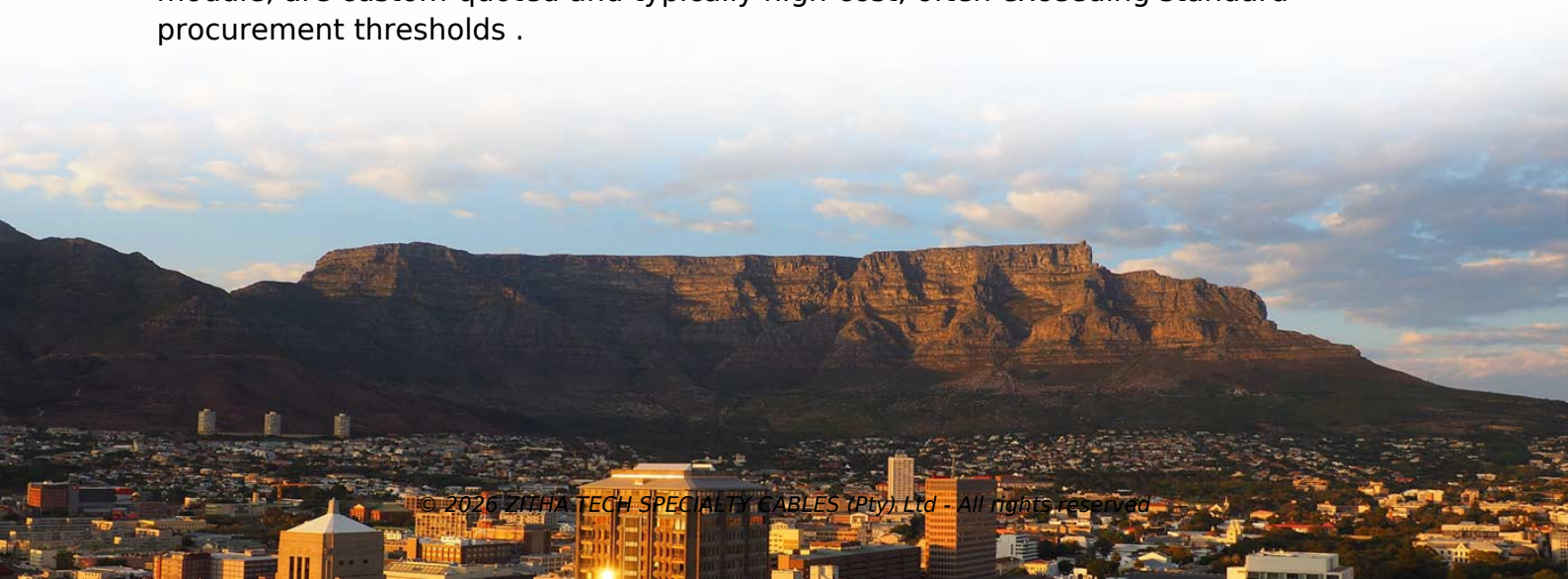
Key Takeaways

Optical-to-electrical modules typically range from $35 to $780 per unit, depending on type, speed, and vendor, with installation costs varying based on labor and system complexity.Module Pricing Overview

• Basic short-reach SFP modules can cost as low as $35 per unit from third-party suppliers, suitable for 1G or 10G connections .

• High-speed QSFP28 modules for 100G connectivity range from $280 to $780 per unit, depending on whether they are OEM-branded or compatible third-party modules .

• Specialized high-frequency O/E converters, such as the Keysight N7005A 60 GHz module, are custom-quoted and typically high-cost, often exceeding standard procurement thresholds .



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• Electrical-optical converters for general LAN or industrial applications vary widely, with prices influenced by frequency range, connector type, and environmental ratings .

Installation Considerations

• Installation costs are not standardized and depend on factors such as the number of modules, cabling complexity, rack integration, and testing requirements.

• For enterprise or data center environments, labor for installation and testing can range from $50 to $200 per module, depending on local rates and technical complexity.

• Outdoor or industrial deployments may require IP-rated enclosures and temperature-stable components, which can increase installation costs .

Practical Guidance

• Budgeting: For a typical 10G SFP module, expect $50–$150 per unit including installation, while 100G QSFP28 modules may reach $500–$1,000 per unit installed, depending on vendor and labor costs .

• Vendor choice: Third-party compatible modules often provide significant savings without compromising performance, but OEM modules may offer better warranty and support .

• Custom quotes: For high-frequency or specialized O/E converters, contact the manufacturer or authorized distributor for a non-catalog quote to include both hardware and installation services . By combining module cost with estimated labor, organizations can plan a realistic per-unit budget for optical-to-electrical module installation.

Article Content

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An optical module functions as a photoelectric converter which converts the

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