

Cost of GPON equipment 1G



Overview

GPON OLT Price Check GPON OLT price from the latest Cisco price list 2022. OLT Devices| High-Quality Optical Line Terminals Explore our range of high-quali.

Key Takeaways

1G GPON ONTs/ONUs typically range from \$8 to \$100+ per unit depending on features, brand, and deployment scale.

Price Ranges and Examples

- Budget GPON ONTs/ONUs: Simple 1G GPON devices without WiFi or extra features can cost as low as \$8-\$20 per unit, suitable for home users or small-scale deployments (e.g., Langzhi L801 or L880G models) .
- Mid-range All-in-One Units: Devices with built-in WiFi, multiple Ethernet ports, or PoE support generally cost \$30-\$80 per unit, offering convenience for home or small office setups .
- High-end or Enterprise Units: Cisco GPON ONTs, OLT transceivers, or units with advanced management, security, and multi-service support can exceed \$100 per unit, especially when purchased in bulk or with PoE and 2.5G uplink capabilities .
- SFP GPON Transceivers: For corporate or specialized setups, 1G SFP GPON ONU transceivers (bi-directional, 20 km reach) are available, typically priced \$50-\$150 per module, depending on vendor and specifications .

Factors Affecting Cost

- Features: WiFi, PoE, multiple Ethernet ports, and management capabilities increase price.

- **Compatibility:** Devices must match the PON standard (GPON, EPON, or XPON) and the OLT vendor; multi-standard devices may cost slightly more .
- **Deployment Scale:** Bulk purchases for hotels, enterprises, or ISPs can reduce per-unit cost due to volume discounts .
- **Brand and Warranty:** Established brands like Cisco or Huawei often command higher prices but provide better support and reliability .
- **Geography and Import Costs:** Prices vary by region due to shipping, taxes, and local distribution.

Summary

For a 1G GPON deployment, expect budget units around \$8-\$20, mid-range all-in-one ONUs around \$30-\$80, and enterprise-grade or branded units \$100+. SFP-based GPON modules for direct integration with switches or routers are typically \$50-\$150. Always verify PON compatibility with your OLT and consider whether WiFi, PoE, or multi-port features are required for your network setup .

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