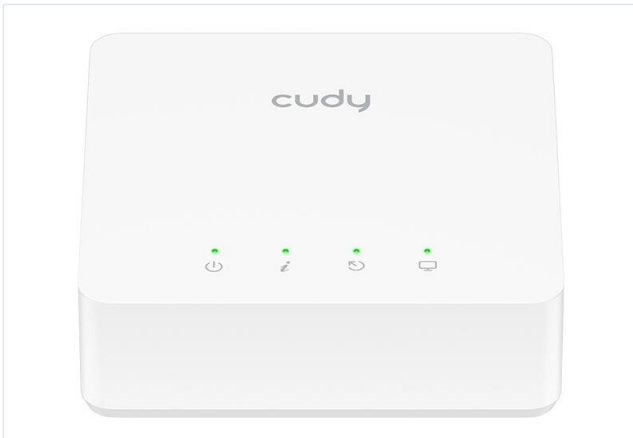


## CD-GP10

Cudy SC/AP Gigabit xPON ONT, GP10

### Product Overview

Cudy SC/AP Gigabit xPON ONT, GP10, 1310 nm TX Wavelength, 1490 nm RX Wavelength, 20 km Max transmission distance, 1x SC/APC Port, 1x Gigabit RJ45 Ports, 2.488Gbps downstream / 1.244Gbps upstream Data rate GPON, 1.25Gbps downstream / upstream EPON



### Specifications

#### Overview Summary:

The Cudy SC/AP Gigabit xPON ONT GP10 is an advanced dual-mode optical network terminal designed to deliver high-speed internet for both home and small business environments in South Africa. Supporting both GPON and EPON networks, it ensures fast, reliable connectivity for streaming, gaming, cloud applications, and everyday internet use. Its compact design, simple installation, and easy remote management make it a practical choice for anyone looking to enhance their fiber network setup. Buy now to upgrade your internet experience with stable, long-distance performance.

**Performance tier:**High

**Uses:**Fiber-to-the-home (FTTH) networking, GPON/EPON connections, high-speed internet, streaming, gaming, cloud services

Overview:

Cudy SC/AP Gigabit xPON ONT GP10 - High-Speed Dual-Mode Optical Terminal

The Cudy SC/AP Gigabit xPON ONT GP10 is a reliable and versatile solution for fiber-to-the-home (FTTH) networks. Designed for both GPON and EPON deployments, it provides fast and stable internet connections, making it ideal for home and small business users. With its compact design and easy installation, this ONT ensures seamless high-speed connectivity and efficient network management.

Description:

This Gigabit xPON ONT supports dual-mode GPON and EPON, delivering downstream speeds up to 2.488 Gbps and upstream speeds up to 1.244 Gbps for GPON, and 1.25 Gbps for EPON. It includes a single SC/APC optical port and one Gigabit RJ45 Ethernet port, allowing flexible connectivity options. With OMCI, OAM, and TR069 support, remote management and monitoring are simple and efficient, reducing maintenance time and improving network performance.

Features:

High-Speed Connectivity for Modern Networks

- Supports GPON and EPON for versatile deployment
- Up to 2.488 Gbps downstream and 1.244 Gbps upstream on GPON
- 1.25 Gbps downstream and upstream on EPON
- Ideal for high-bandwidth applications such as streaming, gaming, and cloud services

Compact Design with Flexible Ports

- 1x SC/APC optical port for fiber connection
- 1x Gigabit RJ45 Ethernet port for wired devices
- Efficient layout suitable for home or small office installations

Easy Remote Management

- Supports OMCI and OAM protocols for monitoring
- TR069 compatibility for remote configuration and maintenance
- Reduces technical intervention and downtime

Reliable Long-Distance Performance

- Maximum transmission distance of 20 km
- 1310 nm TX wavelength and 1490 nm RX wavelength for stable optical performance
- Ensures high-quality network access even in extended deployments

Specifications:

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
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| Specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |
| Product Code                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | CD-GP10      |
| Model Version                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |
| Model Version                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | GP10 1.0     |
| CPU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |
| CPU Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 300 MHz MIPS |

## ComX Computers

### Product Specification Sheet

|                                  |                                                                               |
|----------------------------------|-------------------------------------------------------------------------------|
| <b>Memory/Storage</b>            |                                                                               |
| <b>Flash/ROM</b>                 | 8 MB (64 Mbit ) NOR                                                           |
| <b>DDR/RAM</b>                   | 64 MB (512 Mbit) DDR2                                                         |
| <b>xPON</b>                      |                                                                               |
| <b>Protocols</b>                 | GPON (ITU G. 984 standard , Class B+)                                         |
|                                  | EPON (802.3ah)                                                                |
| <b>Speed</b>                     | GPON: 2.488 Gbps Downstream / 1.244 Gbps Upstream                             |
|                                  | EPON: 1.25 Gbps Downstream / Upstream                                         |
| <b>Wavelength</b>                | TX: 1310 nm                                                                   |
|                                  | RX: 1490 nm                                                                   |
| <b>Max Transmission Distance</b> | 20 km                                                                         |
| <b>Interfaces</b>                |                                                                               |
| <b>SC/APC Port</b>               | 1                                                                             |
| <b>Gigabit RJ45 Ports</b>        | 1                                                                             |
| <b>LED</b>                       | Power                                                                         |
|                                  | PON                                                                           |
|                                  | LOS                                                                           |
|                                  | LAN                                                                           |
| <b>Physical Buttons</b>          | Reset Button                                                                  |
| <b>Power Input</b>               | DC Jack                                                                       |
| <b>Power</b>                     |                                                                               |
| <b>Power Methods</b>             | DC                                                                            |
| <b>DC</b>                        | 12V 1A                                                                        |
| <b>Power Adapter</b>             | Input: 100-240V~, 50/60 Hz                                                    |
|                                  | Output: 12V?1A                                                                |
| <b>Reliability</b>               |                                                                               |
| <b>Environment</b>               | Operating Temperature: 0 degreesC ~ 40 degreesC (32 degreesF ~104 degreesF)   |
|                                  | Storage Temperature: -40 degreesC ~ 70 degreesC (-40 degreesF ~ 158 degreesF) |
|                                  | Humidity: 10% ~ 90% non-condensing                                            |
|                                  | Storage Humidity: 5% ~ 95% non-condensing                                     |
| <b>Certifications</b>            |                                                                               |
| <b>Certifications</b>            | FCC, CE                                                                       |
| <b>Mechanical</b>                |                                                                               |
| <b>Installation</b>              | Desktop                                                                       |
|                                  | Wall-mount                                                                    |
| <b>Dimension</b>                 | 82x82x27 mm                                                                   |
|                                  | 3.23x3.23x1.06 inches                                                         |

## ComX Computers

### Product Specification Sheet

|                                 |                           |
|---------------------------------|---------------------------|
| <b>Package Content</b>          |                           |
| <b>Package Content</b>          | GP10                      |
|                                 | Power Adapter             |
|                                 | Ethernet Cable            |
|                                 | Installation Guide        |
| <b>Ordering Information</b>     |                           |
| <b>Retail Package Dimension</b> | 106x89.5x85 mm            |
|                                 | 4.17x3.52x3.35 inches     |
| <b>Mechanical</b>               |                           |
| <b>Casing Material</b>          | Plastic                   |
| <b>Ordering Information</b>     |                           |
| <b>Units per Carton</b>         | 20                        |
| <b>Carton Dimension</b>         | 459x230x205 cm            |
|                                 | 180.71x90.55x80.71 inches |
| <b>Model Version</b>            |                           |
| <b>Model Version</b>            | GP10 1.0                  |
| <b>General</b>                  |                           |
| <b>Operation Modes</b>          | Bridge                    |
| <b>Network</b>                  |                           |
| <b>DHCP</b>                     | Address Reservation       |
|                                 | DHCP Client List          |
|                                 | Server                    |
| <b>IP Versions</b>              | IPv4/IPv6                 |
| <b>IPTV/VLAN</b>                | Bridge                    |
|                                 | Tag VLAN                  |
| <b>System</b>                   |                           |
| <b>Local Control Method</b>     | Config Web Page           |
| <b>Remote Control Method</b>    | OMCI                      |
|                                 | OAM                       |
| <b>Firmware Upgrade</b>         | Local Update              |
| <b>Reliability</b>              | Backup and Restore        |

|           |                    |
|-----------|--------------------|
| Languages | English            |
|           | Hindi              |
|           | Bengali            |
|           | French             |
|           | Portuguese         |
|           | Russian            |
|           | Urdu               |
|           | Indonesian         |
|           | German             |
|           | Arabic             |
|           | Spanish            |
|           | Simplified Chinese |

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

**Product page:** <https://www.comx.co.za/CD-GP10-Cudy-SC-AP-Gigabit-xPON-ONT-GP10-Buy-p-339594.php>

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