ComX Computers
Product Specification Sheet

HG325AC-A

V-Sol 1XPON+4GE+1POTS+CATV+USB 3.0+Wi-Fi 5 Home Gateway Unit Optical Network Terminal

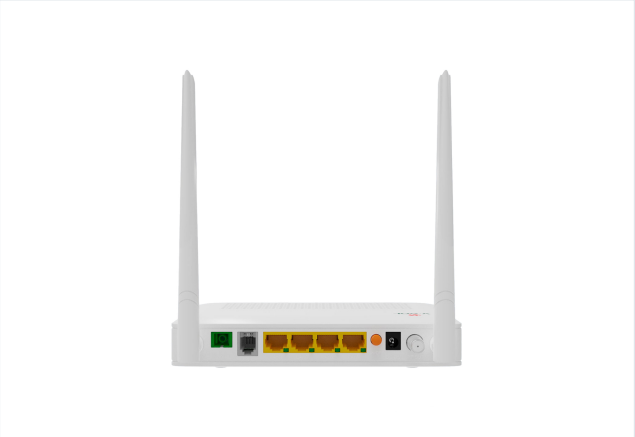
Product Overview

V-Sol 1XPON+4GE+1POTS+CATV+USB 3.0+Wi-Fi 5 HGU ONT; Fibre triple play ONT; 4GE Gigabit; Wi-Fi5; POTS; CATV optional; USB3.0; 18 x 12 x 3.2 cm









Specifications

About this product

The**V-Sol 1XPON+4GE+1POTS+CATV+USB 3.0+Wi-Fi 5 HGU ONT**is a fibre to the home gateway that integrates EPON/GPON optical networking with four Gigabit Ethernet ports, dual-band Wi-Fi 5, voice and optional CATV output, plus a USB 3.0 port for shared storage or peripherals, delivering reliable high speed connectivity for homes and small businesses.

Overview Summary

V-Sol 1XPON+4GE+1POTS+CATV+USB 3.0+Wi-Fi 5 HGU ONTdelivers a complete triple-play networking solution combining fibre optical termination, high speed wired and wireless connections, telephone support, and optional TV signal output. Designed for EPON and GPON networks, it supports up to 20 km optical reach and offers multi user connectivity with robust home network performance. Advanced wireless technology ensures stable dual-band Wi-Fi coverage at speeds up to 1.167Gbps, while four Gigabit Ethernet interfaces let you connect wired devices with minimal latency and high throughput. Voice over IP and CATV interfaces provide extended service options from a single integrated unit for streamlined installation

and ease of use.

The unit is compact and energy efficient with an external DC12V power supply and supports standard network management protocols like TR069 and OMCI for remote configuration. Security features include WPA-PSK and WPA2-PSK encryption and support for multiple SSIDs. Whether for home broadband, VoIP telephony, or CATV service distribution, this ONT offers dependable performance and flexible connectivity.

Performance tier: Advanced home networking

Uses: Home fibre broadband, wireless internet, voice over IP, CATV signal distribution, small office connectivity

Description

The**V-Sol 1XPON+4GE+1POTS+CATV+USB 3.0+Wi-Fi 5 HGU ONT**combines optical network termination with integrated routing and wireless capabilities, engineered for EPON and GPON fibre deployments. Its single PON port with SC/APC connector supports up to 20 km transmission distance, making it suitable for long reach fibre installations. Four Auto-Negotiation Gigabit Ethernet ports provide reliable wired connectivity for desktops, smart TVs, and other devices, while dual-band Wi-Fi 5 ensures fast wireless access throughout the premises. A dedicated POTS port supports analogue voice service, expanding the unit beyond simple data routing. Optional CATV output delivers television signals from the same fibre link, reducing the need for separate set top boxes. The USB 3.0 interface provides flexibility for network storage or media sharing.

Features

Key product features and benefits include:

- Dual-band Wi-Fi 5 for combined 2.4GHz and 5GHz coverage and speeds up to 1.167Gbps for seamless streaming and browsing.
- EPON and GPON support with integrated optical termination ensures compatibility with common fibre infrastructure.
- Four Gigabit Ethernet ports for stable high speed wired connections.
- Voice and CATV support extends functionality to telephony and optional video distribution.
- USB 3.0 port for shared storage or peripheral connectivity.
- Advanced security with WPA-PSK and WPA2-PSK encryption to protect wireless traffic.

Unleash the full potential of your fibre connection with the V-Sol HG325AC-A HGU ONT router
Designed for the discerning South African household or business, this V-Sol gigabit ethernet router is the central nervous system of your digital life. It seamlessly bridges your fibre optic network to your home or office, ensuring that every connected device receives the stable, high-speed internet it demands. For families, this means smooth streaming of high-definition content, lag-free online gaming, and effortless video conferencing for remote work or education. For businesses, it translates to reliable operations, efficient data transfer, and uninterrupted communication, making it an indispensable tool for modern connectivity. The V-Sol HG325AC-A is not just a router; it is the foundation of a connected future.

Engineered for superior speed and stability
At its core, the V-Sol HG325AC-A is built upon advanced PON technology, capable of delivering data over an impressive 20km transmission distance. Its dual-band Wi-Fi 5 capability ensures that you can harness speeds of up to 1.167Gbps across both 2.4GHz and 5.8GHz bands, effectively reducing congestion and maximising performance for all your wireless devices. This high speed home router is engineered to handle the demands of high-bandwidth activities, ensuring a consistent and dependable connection for everyone, everywhere in your home or office.

Seamless integration for all your devices
The V-Sol HG325AC-A goes beyond basic routing. It features four Gigabit Ethernet ports, providing wired connections with exceptional speed and stability for your most critical devices, such as desktop computers, gaming consoles, or network-attached storage. Complementing this is a POTS (Plain Old Telephone Service) port, allowing you to retain your existing landline service over the fibre network, ensuring you don't miss important calls. The optional CATV port further

enhances its versatility, consolidating multiple services into one powerful device, simplifying your setup and reducing clutter. It is the all-in-one solution designed for comprehensive connectivity.

Reliability you can count on
Constructed with robust components and adhering to strict operating parameters, the V-Sol HG325AC-A is built to last. It operates reliably within a wide temperature range of -10degreesC to +55degreesC and humidity levels of 5% to 95% (non-condensing), ensuring consistent performance even in challenging South African conditions. This fibre router is designed for efficiency, with a total power consumption of <=12W, making it an energy-conscious choice for your network infrastructure. Trust in V-Sol for a stable and enduring connection.

Future-ready features for enhanced functionality:

The inclusion of a USB 3.0 port elevates the functionality of this HGU ONT beyond simple internet access. This port can be used for network-attached storage (NAS) capabilities, media sharing, or device backups, providing added convenience and versatility for your home or office network. With support for multiple SSIDs, you can create separate networks for guests or specific device types, enhancing security and network management. The V-Sol HG325AC-A is not just about current needs; it is a forward-thinking solution designed to grow with your digital requirements.

What's in the Box

- V-Sol 1XPON+4GE+1POTS+CATV+USB 3.0+Wi-Fi 5 HGU ONT
- External DC12V power adapter
- Quick start guide
- Mounting accessories

Specifications

- PON interface: 1 x PON EPON PX20+ and GPON Class B+ with SC/APC optical connector, TX 0 to +4dBm, RX -27dBm, up to 20 km reach.
- WLAN: IEEE802.11b/g/n/ac dual-band Wi-Fi 5, up to 1.167Gbps, 3dBi antenna.
- Ethernet: 4 x Gigabit RJ45 Ethernet ports.
- Voice: 1 x POTS RJ11 analogue telephony port.
- USB: 1 x USB 3.0 port.
- CATV (optional): Optical input 1550nm, RF 47 to 1000MHz, 75 ohm output.
- Management: OAM, OMCI, Telnet, WEB, TR069.
- Security: WPA-PSK (TKIP), WPA2-PSK (AES).
- Power supply: DC12V 1.5A external adapter.
- Dimensions: 18 x 12 x 3.2 cm.
- Weight: 0.28 kg.

FAQ

What type of fibre networks does this ONT support?

This ONT supports both EPON PX20+ and GPON Class B+ fibre standards with a single PON port and SC/APC connector for broad compatibility with common service provider networks.

It delivers stable termination for fibre optic broadband and integrates the necessary network interfaces for home or small business use.

Can I use the wireless feature for streaming and gaming?

Yes, the dual-band Wi-Fi 5 technology provides combined 2.4GHz and 5GHz connectivity up to 1.167Gbps, suitable for

smooth streaming, online gaming, and everyday internet usage.

Does this unit support telephone service?

Yes, it includes a POTS RJ11 port for analogue voice service integration using standard telephony equipment.

Product Information Online

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

Product page:
https://www.comx-computers.co.za/HG325AC-A-V-Sol-1XPON-4GE-1POTS-CATV-USB-3-0-Wi-Fi-5-Home-Gateway-Unit-Optical-Network-p-333497.php

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