ComX Computers
Product Specification Sheet

V2804AC-A

V-Sol V2804AC-A 1XPON+4GE+USB 3.0+Wi-Fi 5 Home Gateway Unit Optical Network Terminal

Product Overview

V-Sol ONT; XPON dual mode; Wi-Fi 5 AC1200; 4 x GE; USB 3.0; FTTH broadband gateway; Ethernet and wireless









Specifications

About this product

The V-Sol V2804AC-A is a high performance home gateway optical network terminal with 1 x PON, 4 x Gigabit Ethernet, USB 3.0 and dual band Wi-Fi 5 connectivity. It supports dual mode XPON EPON and GPON broadband access with built in routing, MU-MIMO wireless up to 1200 Mbps and advanced QoS for reliable FTTH services.

Overview Summary

V-Sol V2804AC-A Home Gateway ONTis engineered to deliver robust fiber broadband access for residential and small business networks. With support for XPON dual mode (EPON PX20+ and GPON Class B+) interfaces and a powerful Wi-Fi 5 AC1200 radio, this unit provides fast, stable internet connection while ensuring ease of management and high compatibility with operator OLT systems. MU-MIMO support and dual band wireless ensure expanded coverage and improved throughput for demanding applications like streaming and gaming. It also incorporates advanced layer 2 and layer 3 features including IPv4/IPv6 routing, VLAN and QoS controls.

This gateway includes 4 x Gigabit Ethernet ports and a USB 3.0 interface for shared storage or printer access. Wi-Fi is

compliant with IEEE802.11b/g/n/ac and capable of up to 1.167 Gbps combined throughput across 2.4 GHz and 5 GHz bands. Integrated network management options include OAM, OMCI, TR069, web and telnet interfaces that simplify configuration and remote maintenance. With reliable optical performance up to 20 km and enterprise grade protocol support, this ONT is suitable for modern FTTH deployments.

Performance tier: Premium Home Broadband
Uses: Home fiber broadband, Small office internet access, FTTH service delivery, Wireless network coverage, Shared storage connectivity

Description

The V-Sol V2804AC-A Optical Network Terminal combines enterprise grade fiber access with a versatile home gateway. Designed for FTTH deployments, this unit supports both EPON and GPON protocols over a single PON port. Its dual band Wi-Fi 5 (802.11ac) system with MU-MIMO enables simultaneous wireless connections across 2.4 GHz and 5 GHz bands, delivering up to 1.167 Gbps throughput. Four Gigabit Ethernet RJ45 ports provide wired connectivity for desktops, set top boxes or gaming consoles, while the USB 3.0 port allows shared device access across the network.

Network functions include IPv4/IPv6 dual stack routing, VLAN tagging, NAT, DHCP and comprehensive quality of service controls for voice, video and data traffic. The integrated management protocols such as OAM, OMCI and TR069 help network operators supervise and configure the device remotely. Built to comply with global networking standards like IEEE802.3ah and ITU-T G.984, this ONT offers stable optical performance with up to 20 km transmission distance, making it ideal for delivering high speed fiber services to homes and offices.

Features

Key features of the V-Sol V2804AC-A ONT enhance connectivity, manageability and wireless performance:

- Dual mode XPON support for EPON and GPON broadband access, ensuring compatibility with various fiber networks.
- Dual band Wi-Fi 5 (2.4 GHz and 5 GHz) with MU-MIMO and multiple SSID support for strong wireless coverage and client capacity.
- Four 10/100/1000 Mbps Gigabit Ethernet LAN ports for high speed wired connections.
- USB 3.0 interface for shared storage, printer access or media sharing over the network.
- Advanced network features including IPv4/IPv6 routing, NAT, DHCP, VLAN, DMZ and QoS for optimized traffic management.
- Support for operator grade management protocols including OMCI, OAM, TR069, web and telnet interfaces for easy configuration and monitoring.

What's in the Box

- V-Sol V2804AC-A ONU Home Gateway Unit
- AC/DC Power Adapter (DC 12V 1A)
- Ethernet Patch Cable
- User Guide and Warranty Card

Specifications

- PON Interface: 1 x XPON (EPON PX20+ and GPON Class B+), SC/UPC
- Wi-Fi Standard: IEEE802.11b/g/n/ac dual band
- Wireless Speed: Up to 1.167 Gbps combined
- Ethernet: 4 x RJ45 Gigabit 10/100/1000 Mbps
- USB: 1 x USB 3.0
- Management: OAM, OMCI, TR069, Web, Telnet
- Network Routing: IPv4/IPv6 dual stack, NAT, DHCP, VLAN
- QoS: Multiple queue scheduling and traffic prioritization

- Optical Power: TX 0 to +4 dBm, RX sensitivity -27 dBm
- Transmission Distance: Up to 20 km
- Operating Temperature: -10 C to +55 C
- Dimensions: 180 mm x 120 mm x 32 mm
- Weight: 280 g

FAQ

What is the V-Sol V2804AC-A used for?

The V-Sol V2804AC-A is used to connect fiber broadband networks to home or office devices by converting optical signals into wired and wireless Ethernet services.

It supports dual mode XPON, provides Wi-Fi 5 connectivity and offers advanced routing features for stable internet and multimedia service delivery.

Does this ONT support both EPON and GPON?

Yes, the V2804AC-A supports dual mode XPON including EPON PX20+ and GPON Class B+ protocols over the optical interface.

This ensures compatibility with a range of fiber network operator equipment and maximizes deployment flexibility.

What wireless speeds can I expect?

The unit delivers combined Wi-Fi speeds up to 1.167 Gbps across 2.4 GHz and 5 GHz bands, providing reliable wireless performance for streaming and general internet use.

Actual speeds vary based on client device capabilities and network environment.

Can I connect wired devices directly?

Yes, there are 4 Gigabit Ethernet ports for direct wired connection to desktops, gaming consoles and other devices.

These ports support auto negotiation and full duplex for high speed data transfer.

Is remote management supported?

Remote management is supported via OMCI, OAM and TR069 protocols as well as local web and telnet interfaces.

These tools allow service providers and administrators to configure and monitor the ONT remotely.

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/V2804AC-A-V-Sol-V2804AC-A-1XPON-4GE-USB-3-0-Wi-Fi-5-Home-Gateway-Unit-Optical-Network-p-333375.php

Images and specifications are provided for reference and are subject to change without notice. E&OE.

Terms of Use: https://www.comx-computers.co.za/terms-of-use.php
Terms of Sale: https://www.comx-computers.co.za/terms-of-sale.php

PDF generated: 2026-11-07 15:03:49.

This PDF was generated automatically and may include content prepared or assisted by automated or AI-based systems. While reasonable care is taken

to ensure accuracy, errors or omissions may occur.

For the most current and accurate product information, please refer to the product information available on our website. If any specification or other information differs from information published elsewhere, please confirm the details with us before relying on the information or making a purchasing decision.

If you identify an error or discrepancy, please report it to us so that we may investigate and correct it where necessary.