

User manual Gateway

Description

This is a DOCSIS cable gateway device including the following functionalities:

- DOCSIS 3.1 Cable Modem
- PacketCable 2.0 eDVA
- 2 port Gigabit Ethernet switch with advanced routing capability
- 802.11n WiFi interface at 2.4GHz
- 802.11ac WiFi interface at 5GHz
- Zigbee radio interface
- Bluetooth Smart radio interface
- Thread radio interface
- 2 FXS ports
- Internal PSU
- eMTA supporting PacketCable 2.0
- IPv4/IPv6 router
- Remote management capabilities (SNMP, TR069, HNAP)

External Photos



Features

High speed DOCSIS 3.1 interface

- Supports Gigabit internet connectivity

High speed wireless interface

- Supports whole-home coverage with state-of-the-art radio technology

Voice performance

- PacketCable 2.0 compliant and equipped with basic and extended CLASS features such as caller ID and call-waiting

Advanced Security

- The integrated firewall provides Stateful Packet Inspection (SPI), and an integrated Intrusion Detection and Prevention System (IDS) engine monitors a wide range of attack patterns, and logs potential security breaches to a local cache or remote server. To secure data exchange between the gateways and the cable operators' servers, BPI+ communications privacy is used.

WPS

- With Wi-Fi Protected Setup (WPS) users can easily connect to the wireless network by simply pushing a button or entering a PIN code. It allows home users to easily connect to a secure network without any complex configuration and eliminates the need to remember or store their security information in an unsafe way.

Easy to Use

- This is an easy-to-use/easy-to-install gateway. For convenience of the end user, the easy-to-access multi-colored LEDs provide a clear indication of start-up sequence and connectivity status. Multiple integrated web pages allow direct access to the status and settings, including privacy and security information.

Technical Specifications

Cable Certifications

- Data
- Voice
- CMTS interoperability
- DOCSIS 3.1
- PacketCable 2.0

Hardware Specifications

- WAN Interface

1 RF F-type

- LAN interface

2-port wired ethernet RJ45, WiFi IEEE 802.11 2.4/5 GHz, MoCA

- Interfaces other

WPS button, reset button

- Power supply

120-240VAC 50-60Hz

- Operating Temperature

0 to 40 degC

- Operating humidity

20-90% non-condensing

- Storage temperature

-20-70 degC

Receiver Specifications

- Downstream modulation

QAM, OFDM

- Downstream Frequency Range

54-1002 MHz

- Input signal level range

-15 / +15dBmV

- Input impedance

75 ohm

Transmitter Specifications

- Upstream Modulation

QPSK, QAM, OFDM

- Upstream Frequency Range

5-42 MHz

- Output Impedance

75 ohm

Wireless Specifications

- WiFi IEEE 802.11a/b/g/n/ac
- WiFi Protected Setup

SAFETY INSTRUCTIONS AND REGULATORY NOTICES

BEFORE YOU START INSTALLATION OF OR USE THIS PRODUCT, CAREFULLY READ THESE INSTRUCTIONS

When using this product, always follow the basic safety precautions to reduce the risk of fire, electric shock and injury to persons, including the following:

- Always install the product as described in the documentation that induced with your product
- Avoid using this product during an electrical storm There may be a remote risk of electric shock from lightning.
- Do not use this product to report a gas leak in the vicinity of the leak.

Safety instructions

- Read these instructions
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.

Climatic conditions

This product

- Is intended for in-house stationary use; the maximum ambient temperature must not exceed 40 °C (104 °F); the relative humidity must be between 20% and 80%.
- Must not be mounted in a location exposed to direct or excessive solar and/or heat radiation.
- Must not be exposed to heat trap conditions and must not be subjected to water or condensation.
- Must be installed in a Pollution Degree 2 environment (environment where there is no pollution or only dry, nonconductive pollution).
- If applicable, batteries (battery pack or batteries installed) must not be exposed to excessive heat such as sunshine, fire or the like

Ventilation and positioning

- Remove all packaging material before applying power to the product.

- Do not block or cover any ventilation openings; never stand it on soft Furnishrgs or carpets.
- Never push objects through the openings in this product.
- Leave 7 to 10 cm (3 to 4 inches) around the product to ensure that proper ventilation gets to it.
- Do not install the product near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Do not put anything on it which might spill or drip into it (for example, lighted candles or containers of liquids). Do not expose it to dripping or splashing, rain or moisture. If a liquid enters inside the product, or if the product has been exposed to rain or moisture, unplug it immediately and contact the Customer Service.

Cleaning

Unplug this product from the wall socket and computer before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp doth for cleaning.

Water and moisture

Do not use this product near water, for example near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement or near a Swimming pool.

Transition of the product from a cold environment to a hot one may cause condensation on some of its internal parts. Allow it to dry by itself before restarting the product.

Accessibility

The plug on the power supply cord or power supply unit serves as disconnect device. Be sure that the mains supply socket outlet you use is easily accessible and located as close to the product as possible.

Overloading

Do not overload mains supply socket outlets and extension power cords as this increases the risk of fire or electric shock.

Cable Distribution

For this apparatus, the cable shield/screen shall be grounded (earthed) as close as practical to the point of entry of the cable into the building. For products sold in the US and Canada, this reminder is provided to call the system installer's attention to ANSI/NFPA70, the National Electrical Code (NEC), in particular Section 820.93, Grounding of Outer Conductive Shield of a Coaxial Cable (or Canadian Electrical Code Parr).

Servicing

To reduce the risk of electric shock, do not disassemble this product. None of its internal parts are user-replaceable, therefore, there is no reason to access the interior. Opening or

removing covers may expose you to dangerous voltages. Incorrect reassembly could cause electric shock if the appliance is subsequently used.

If service or repair work is required, take it to a qualified service dealer.

Damage requiring service

Unplug this product from the mains supply socket outlet and refer servicing to qualified service personnel under the following conditions:

- When the power supply, power cord or its plug are damaged.
- When the attached cords are damaged or frayed.
- If liquid has been spilled into the product.
- If the product has been exposed to rain or water.
- If the product does not operate normally.
- If the product has been dropped or damaged in any way.
- There are noticeable signs of overheating.
- If the product exhibits a distinct change in performance.

Immediately disconnect the product if you notice it giving off a smell of burning or smoke. Under no circumstances must you open the equipment yourself; you run the risk of electrocution.

Warning

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.