2-WIRE PHONELINE WI-FI GIGABIT LAN EXTENDER

THE 2-WIRE PHONELINE WI-FI GIGABIT LAN EXTENDER V102WG ENABLES YOU TO SET UP YOUR PRIVATE NETWORK AT PLACE WITH EXISTING TELEPHONE LINE IN PLACE.

NO ADDITIONAL NETWORK WIRING IS NECESSARY. YOU MAY JUST USE THE EXISTING PHONELINE IN THE WALL, THEN YOU CAN HAVE THE 1GBPS OFFICE NETWORK READY FOR THE BROADBAND INTERNET AND IPTV TRANSMISSION AMONG ROOMS.

*UPBAND (36-96MHz) V102WG-DSL(OPTION) CO-EXIST WITH ADSL AND VDSL.

WITH V102WG, SOHO CAN EVEN QUICKLY EXTEND OR FLEXIBLY CHANGE THE EXISTING LAN ENVIRONMENT. NO RE-WIRING MORE AND NO MORE TROUBLE

Features

- ➢ 1Gbps G.hn Port as Home Network Backbone by Using Existing Phone Line
- ➢ Two 100/1000Mbps Gigabit Ethernet Ports for FTTH, DSL/Cable Modem and Ethernet Terminals (PC, Set-Top-Box, …)
- ➢ Energy Efficiency (Green) Ethernet Support
- ➢ Maximal Distance up to 2700 feet on G.hn Port
- ➢ Filter Built-in to Eliminate Noise from Phone Set or PSTN Line
- ➢ Signal Quality Indication
- ➢ Optional 36 - 96MHz Model to co-exist with VDSL (V102WG-DSL)
- ➢ MIMO 2X2 11b/g/n Wi-Fi Access Point Support

Specifications

➢ **Network Standards**
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- ITU G.9960 G.hn over Phoneline

- IEEE 802.11 b/g/n Wi-Fi

- IEEE802.3ab 1000M Gigabit Ethernet

- IEEE 802.3az Energy Efficiency Ethernet

➢ Connectors

- Ethernet : Two RJ-45 Connectors

- G.hn : Two RJ-11 Connectors, One for G.hn, the Other for Phone-Line Bypass

➢ G.hn Interface

- Transmission Power and Spectrum

  V102WG, 6 +/- 1 dBm @ 6 ~ 96 MHz

  V102WG-DSL, 4 +/- 1 dBm @ 36 ~ 96 MHz (hardware optional)

- Maximal Speed and Distance

  V102WG, 850Mbps, 2700 ft

  V102WG-DSL, 600Mbps, 1500 ft

- AES 128 Encryption

➢ Gigabit Ethernet Interface

- 100/1000Mbps Auto Negotiation, MDI/MDI-X Auto Crossover

➢ IEEE802.11b/g/n Wi-Fi 2x2 MIMO Interface

- Spectrum: 2.4GHz Band

- Tx Power: Below 100mW

- Antenna Gain: 3.3dBi, Two Printed Antennas

- Security: WEP, WPA/WPA2, WPA/WPA2 with PSK

➢ Indicators

- "Power" LED

- Wi-Fi: Link/Activity/Quality LED

- G.hn "Link/Activity/Quality" LED

- Ethernet "Link/Activity" LED x 2

➢ EMI/EMC and Safety

- Comply with FCC Part 15 and VCCI

- Comply with FCC Part 68

- Comply with CE

➢ Environmental Conditions

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- Operating Temperature : 0℃ ~ 50℃ (32℉ ~ 120℉)

- Storage Temperature : –10℃ ~ 65℃ (14℉ ~ 149℉)

- Operating Humidity : 10% ~ 95%, Non-condensing

➢ **Power Requirement**

- External Power Supply : 12 VDC

- Power Consumption : < 4 Watts

➢ **Physical Dimension**

- 130mm (W) x 95mm (D) x 32mm (H)

➢ **Unit Weight**

- 150g

Ordering Information

Model	Specification
V102WG	2-Wire Wi-Fi Gigabit LAN Extender, 6~96MHz
V102WG-DSL	2-Wire Wi-Fi Gigabit Gigabit LAN Extender, 36~96MHz

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