**N300 Universal Wi-Fi Bridge**
for Smart TV, Blu-ray and Gaming

**Convert Wired Ethernet to Wireless**
Eliminates annoying cables

**Universal Compatibility**
Works with any Ethernet-enabled device, including smart TVs, Blu-ray/DVD players, game consoles, DVRs, Set-top boxes

**Plug & Play**
Hardware WPS button for easy one-touch setup

**Home Entertainment**
Wi-Fi bridge for up to 5 devices
Features:

**Wireless 11n speed**
Complies with wireless IEEE 802.11b/g/n standards, with data rates up to 300Mbps. Converts wired LAN to wireless, and may also upgrade existing low-speed 802.11b/g devices to faster 802.11n speeds.

**Supports multiple devices**
Equipped with five 10/100Mbps Ethernet ports, to connect to devices such as smart TVs, Blu-ray/DVD players, game consoles, DVRs, PCs, and set-top boxes.

**WPS hardware button**
Hardware WPS (Wi-Fi Protected Setup) button allows easy installation into existing home wireless networking environments. Simply press the WPS button on the device and the home wireless router.

**Smart iQ Setup**
Features user-friendly browser-based iQ Setup for smart, automatic and quick installation. Previously problematic settings can be completed with just a few clicks.

**WPA/WPA2 advanced wireless encryption**
Supports various wireless encryptions protocols, including WEP 64/128 bit, WPA and WPA2.

**Green and energy-saving**
Supports IEEE802.3az Energy Efficient Ethernet (EEE) and implements wireless green technology, which can reduce power consumption by 40% to 80%, by adjusting power to wired and wireless connections depending on usage.

**External antenna with longer wireless distances**
Equipped with external dipole antennas for better wireless transmission range and coverage. The device can be placed in a living room far away from the wireless router, yet still provide smooth Internet video and online gaming experiences.
Application Diagrams

Bridges Wired Internet Devices
The Wi-Fi bridge offers a wireless connection to wired devices, allowing even Ethernet-only devices to go online wirelessly.

Suitable for Home Environments
The wide operating range of the device means it can be installed away from the wireless router or access point, yet still provide wireless connectivity to attached devices.
Product Specifications

**Features**
- Wireless streaming
- HDTV video streaming
- Enjoy Internet video, music and online games

**Frequency Band**
- 2.4 GHz (Industrial Scientific Medical Band)

**Wireless Standards and Data Rates**
- IEEE 802.11n (up to 300Mbps)
- IEEE 802.11g (up to 54Mbps)
- IEEE 802.11b (up to 11Mbps)

**Hardware Interface**
- 5 x RJ-45 LAN port
- LED Indicators: Power, Wireless, LAN ports.
- External antennas
- WPS/Reset button
- Power jack

**Management**
- 12-language user interface
- Upgradable firmware

**Security**
- 64/128-bit WEP encryption and WPA-PSK, WPA2-PSK security
- 802.1x authentication
- WPS (Wi-Fi Protected Setup)

**System Requirements**
- TV, (Blu-ray) DVD player, NAS or other devices with Ethernet port
- Existing wireless home network
- Computer with Ethernet port and Web Browser for software configuration (Internet Explorer 7 or above, Google Chrome, Firefox, Safari latest version)

**Package Content**
- CV-7428nS device
- Quick Install Guide
- CD with multi-language QIG and User Manual
- One RJ45 Ethernet Cable
- Access Key card

**Installation**
- Multi-language iQ Setup (Browser interface)
- Hardware WPS button

**Humidity & Temperature**
- 10-90% (Non-condensing)
- 0-40°C (32 - 104°F)

**Power Adapter**
- DC 5V 1A switching power adapter

**Antenna**
- 2 x 2dBi external antennas

**Dimensions**
- 30(H) x 127(W) x 96(D) mm

**Weight**
- 155 grams (0.34 lb)

**Certifications**
- CE, FCC

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