802.11n Wireless Presentation Gateway

Deliver Smooth Presentations Wirelessly

PLANET WPG-200N is a wireless presentation gateway based on IEEE 802.11n technology. It is equipped with both VGA and HDMI video output interfaces and one 10/100Mbps Ethernet port for LAN connection. With the hardware decoding capability, the WPG-200N can project high-definition video on the screen and audio through wireless or wired LAN connections. It facilitates multiple users to freely display the presentations, images and videos via wirelessly connecting to a projector or LCD TV without swapping lots of cables.

Near Real-Time / High Quality Video & Audio Projection

The WPG-200N supports near real-time (30fps, frames per second) image screen speed and audio projection disregard to video format and resolution. Thus the WPG-200N can be used not only for office presentation but also for home entertainment. Home users can easily share the multimedia on the big monitor / screen with friends without cable hassle. Furthermore, the WPG-200N output resolution supports up to 1280x800 (WXGA+), which performs high quality display in presentation or full-motion video.

Dual Video Output Interfaces

To deliver a perfect presentation solution, the WPG-200N is equipped with two types of video output interfaces: the VGA and HDMI connectors; that make it compatible with most of the popular display devices. You can connect it to any type of projector, LCD TV, or other large screen display wirelessly right away.

4-to-1 Split Screen Projection

With this 4-to-1 split screen feature, the WPG-200N allows up to four PC / Laptop screens be projected through one projector in the same time. Therefore the participants can easily do side-by-side comparison from four PC / Laptop to increase meeting efficiency.

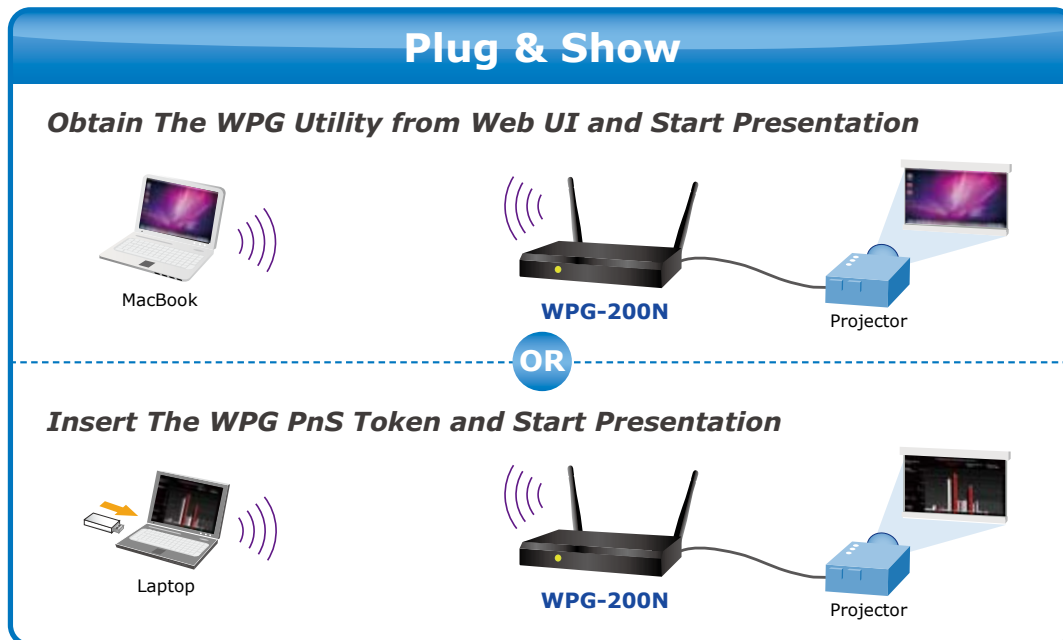## *High Speed 802.11n Wireless Connectivity*

The WPG-200N features the latest IEEE 802.11n technology to provide improved wireless data rate speed up to 150Mbps and wider coverage. The incredible wireless speed makes it ideal for handling high bandwidth video stream, VoIP and data streams at the same time stably and smoothly. It is also backward compliant with 802.11g and 802.11b standards; thus it is no need to change the existing network for maintaining connectivity.

Internet / Intranet Connectivity

The WPG-200N is also a Wireless Access Point. The 10/100Mbps LAN port and 11n wireless performance ensures participants in the meeting be able to access the Internet and Intranet all the time, even while wireless presentations are projecting.

Easy to Use, Plug & Show

The embedded Windows-based utility enables the connected users directly download the utility from the WPG-200N web UI or simply execute the utility from the created USB token. It offers the most convenient way for the new user access to the presentation in seconds. Just link the PC / Laptop to the WPG-200N through wireless or Ethernet, the wireless projection can be performed via the connected projector easily.

Plug & Show

Obtain The WPG Utility from Web UI and Start Presentation

MacBook

WPG-200N

Projector

OR

Insert The WPG PnS Token and Start Presentation

Laptop

WPG-200N

Projector

AP Client Mode

You can enable the AP-Client Mode function to let the WPG-200N join the existing Access Point through Wi-Fi. This feature provides the flexibility of wireless network deployment in enterprise environment.

KEY FEATURES

- Up to 30FPS Network Screen Projection Speed
- VGA / 720p HDMI Output
- 4-to-1 Split Screen Projection
- 802.11n Wi-Fi AP and AP-client Mode
- Web Browser Management
- Audio / Video Streaming
- Plug & Show
- Windows XP / Vista / 7, Mac OS X Support
- Multiple Users Access
- Compact Size Convenient for Installation and Placement

APPLICATIONS

Supports 4-to-1 Split Screen and Faster Speed by Wireless LAN

Just plug the WPG-200N into the HDMI / VGA connector of the projector and start using the PLANET convenient presentation application. The WPG-200N applies the latest generation screen projection technology. It provides the most smooth screen work by wireless projection. Moreover, the WPG-200N enables four wireless users to project their presentations in the main screen at the same time which brings higher efficient presentations.

4 to 1 Screen

WPG-200N

Data Sheet

SPECIFICATION

Product	802.11n Wireless Presentation Gateway	
Model	WPG-200N	
Hardware Specification		
Interfaces	Video	VGA Port: D-Sub 15-Pin female port
	Audio Out	HDMI 1.2
	LAN	2.5mm stereo jack 1 x 10/100Base-TX RJ-45
Antenna	Gain	2 x 2dBi RP-SMA detachable antenna
	Orientation	Omni-directional
LED Indicators	Power	
Material	Metal	
Dimension (W x D x H)	150 x 75 x 22 mm	
Weight	257g	
Power	External Power adaptor 5V DC input 2.6A	
Wireless Interface Specification		
Standard	Compliance with IEEE 802.11n Backward compatible with IEEE 802.11b/g	
Frequency Band	2.412 ~ 2.4835GHz	
Wireless Data Rate	Up to 150Mbps	
Wireless Channel	America/ FCC: 2.412~2.462 GHz (11 Channels) Europe/ ETSI: 2.412~2.472 GHz (13 Channels) Japan/ TELEC: 2.412~2.4835 GHz (14 Channels)	
TX Power	802.11b: 16dBM +/- 1.5dBm 802.11g: 14dBM +/- 1.5dBm 802.11n: 13dBM +/- 1.5dBm	
Receive Sensitivity	802.11b: 11M -76 dBm 802.11g: 54M -67 dBm 802.11n: 65M (HT20) -64 dBm 150M (HT40) -61 dBm	
Wireless Link Coverage	Up to 300 feet / 100 meters, depends on environment	
Wireless Security	IEEE Standard 64/128 bit WEP / WPA / WPA2-PSK	
Operation Mode	AP (Access Point) AP Client (Universal Repeater)	
Video Display		
Supported PC / Laptop Resolution	SVGA (800x600) / XGA (1024x768) SXGA (1280x1024) / WXGA (1280x768) WSXGA (1440x900, 1600x1024) / UXGA (1600x1200) WUXGA (1920x1200) / QXGA (2048x1536) / Others	
Supported Output Resolution	**VGA**: SVGA (800x600) / XGA (1024x768) / WXGA(1280x768) / WXGA+(1280x800) **HDMI**: 720p (1280x720)	
System Management		
Protocol	TCP/IP	
IP Configuration	Automatic: DHCP Manual: Static IP address	
Management	Web-Based configuration	
Supported Windows Account Right	Administrators Limited User Guest	
Supported Operation System	Windows XP / Vista / 7 Windows Mobile 5/6 Mac OS X 10.4 or later	
Standard Conformance		
IEEE Standards	IEEE 802.11n (1T1R) IEEE 802.11g IEEE 802.11b IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX	
Environment		
Temperature	Operating: 0 ~ 40 Degree C Storage: -10 ~ 60 Degree C	
Humidity	Operating: 10 ~ 90% (Non-Condensing) Storage: 10 ~ 80% (Non-Condensing)	

ORDERING INFORMATION

WPG-200N	802.11n Wireless Presentation Gateway

PLANET Technology Corporation
11F., No.96, Minquan Rd., Xindian Dist., New Taipei City 231, Taiwan (R.O.C.)
Tel: 886-2-2219-9518
Fax: 886-2-2219-9528
Email: sales@planet.com.tw
www.planet.com.tw

C- WPG-200N