



ION-150 150Mbps Wireless PCI-E Adapter



APLDT150U2



Product Overview

The Ion-150 is designed to provide a high-speed wireless and PHY performance for your computer. By delivering a faster wireless connection, you can get a better Internet experience, such as downloading, gaming, video streaming and so on. The adapter's auto-sensing capability allows high packet transfer rate of up to 150Mbps for maximum throughput. With unmatched wireless performance, reception, and security protection, the Ion-150 is the best choice for easily adding or upgrading wireless connectivity.

Key Features

- **Wireless N 150Mbps Speed**
Compatible with IEEE wireless standards, it provides three times the wireless speed of the 802.11g technology. Perfect for video streaming, online conferencing and large file transfer applications.
- **Backward-Compatibility**
Supports 802.11b/g devices, so you can upgrade your network to the latest N standard at no extra cost.
- **Networking modes**
Infrastructure and ad-hoc (peer-to-peer).
- **Robust signal**
Delivers reliable high-speed connectivity to wireless networks, by providing longer transmitting distances and enhanced signal reception.
- **Auto negotiation capability**
Detects wireless networks and selects the optimal transmission rate automatically.
- **Advanced security**
WEP data encryption and WPA-PSK/WPA2-PSK encryption methods.
- **Greater compatibility**
Additional low profile bracket to fit most PC models.
- **Peace of mind**
Backed by a 3 year full warranty.

Product applications

This wireless adapter offers a fast, reliable and extendable solution for wireless access. Most relevant features of this adapter are the following:

- **Greater mobility** – enables you to have access to the wireless network from any location within the operating range.
- **Hassle-free installation** – enables wireless communication for companies or places which are not suitable for wired LAN installations due to budget or building environment restrictions, such as historical buildings, rentals, or places for short-term usage.
- **Flexibility** – adapts easily to businesses or individuals that require regular alteration of the networking topology.
- **Easy expansion** – allows you to expand your network in order to include multiple devices and peripherals.
- **Small office/Home office** – provides a quick way to establish a SOHO network installation, either on a permanent or temporary basis, according to the user's needs.

Technical specifications

Description	
Product image	
General	
Standards	IEEE 802.11n, IEEE 802.11g, IEEE 802.11b, IEEE 802.1x, IEEE 802.11e, IEEE 802.11i
Media access protocols	CSMA/CA with ACK, PCI-E 2.0
Wireless rate	150Mbps (maximum)
Interface	32 bit PCI Express Interface
LED	Status indicator
Dimensions	120.8x 78.5 x 21.5 mm
Wireless	
Frequency band	2.4~2.4835GHz
Radio data rate	11b: 1/2/5.5/11Mbps 11g: 6/9/12/18/24/36/48/54Mbps 11n: Up to 150Mbps
Channel	1-13
Frequency expansion	DSSS (Direct Sequence Spread Spectrum)
Modulation	11b: CCK,QPSK,BPSK 11g: OFDM 11n: QPSK, BPSK, 16-QAM, 64-QAM
Security	64/128/152-bit WEP Encryption WPA/WPA2, WPA-PSK/WPA2-PSK (TKIP/AES)
Receiver sensitivity	130M: -68dBm@10% PER 108M: -68dBm@10% PER 54M: -68dBm@10% PER 11M: -85dBm@8% PER 6M: -88dBm@10% PER 1M: -90dBm@8% PER
RF power	20dBm (max)
Antenna gain	2dBi
Environmental and Physical	
Temperature	Operating : 0°C~40°C (32°F~104°F) Storage: -40°C~70°C (-40°F~158°F)
Humidity	Operating: 10% - 90% RH, non-condensing Storage: 5% - 90% RH, non-condensing
Minimum requirements	CD-ROM drive 733 MHz CPU or above 64 MB memory and above Windows XP, Vista, 7 and above
Certificates	FCC