Saros 300
Wireless-N PCI-E Adapter

APLDT300N1

With two external omnidirectional antennas

Product Overview

The **Saros 300** 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 300Mbps for maximum throughput. With unmatched wireless performance, reception, and security protection, the Saros-300 is the best choice for easily adding or upgrading wireless connectivity.

Key features

- **Wireless N 300Mbps 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.
- **Increased coverage and performance**
  Adopts the most advanced MIMO technology based on the IEEE 802.11n protocol
- **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 trans¬mitting 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 flexibility**
  Additional low-profile bracket to fit most PC models
- **Operating systems**
  Supports Windows 7/XP/2000/Vista
- **Trusted quality**
  Backed by a 3-year warranty

Benefits

This wireless adapter offers a fast, reliable and extendable solution for wireless access. By integrating the most advanced N-networking technology, this convenient PCI adapter is designed to deliver reliable high-speed connectivity along with enhanced performance in high-bandwidth applications.
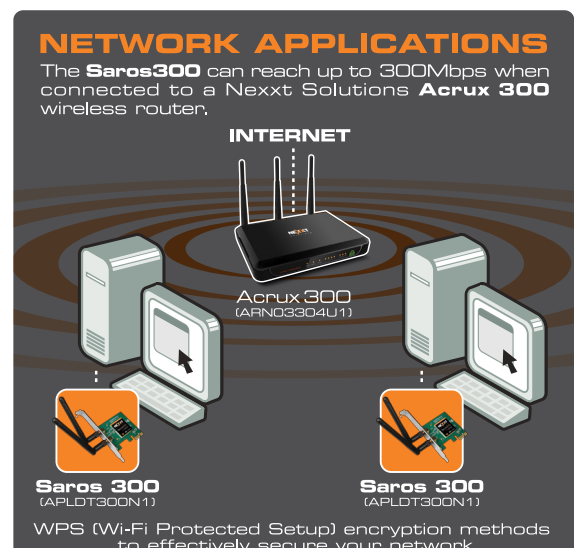
Greater mobility – enables you to have access to the wireless network from any location within the operating range.

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.

NETWORK APPLICATIONS

The **Saros300** can reach up to 300Mbps when connected to a Nexxt Solutions **Acrux 300** wireless router.

INTERNET

Acrux 300
(ARN03304U1)

Saros 300
(APLDT300N1)

Saros 300
(APLDT300N1)

WPS (Wi-Fi Protected Setup) encryption methods to effectively secure your network

Status	Description
Off	The driver has not been installed. The adapter's radio has been disabled.
Blinking slowly	The driver has been installed but there is no data being transmitted or received.
Blinking quickly	There is data being transmitted or received.

Technical specifications

General	
Model	Saros 300
Technology	Wireless N
Standards	802.11g, 802.11b, 802.11i, 802.11e, compatible with 802.11n
Interface	PCI-E
LED	Status indicator
Antenna	2 x 1.8dBi
Dimensions (LxWxH)	120.8 x 78.5 x 21.5mm

Wireless	
Band	2.4~2.4835GHz
Wireless rate	300Mbps
Channel	1-13
Modulation	DBPSK, DQPSK, CCK, OFDM, 16-QAM, 64-QAM
RF power	11b:16dBm 11g:16dBm 11n:14dBm
Wireless security	64/128/152-bit WEP Encryption WPA/WPA2, WPA-PSK/WPA2-PSK (TKIP/AES)

Physical and environmental		
Operating environment	Operating temperature	0ºC~40ºC (32ºF~104ºF)
	Storage temperature	-40ºC~70ºC (-40ºF~158ºF)
	Operating humidity	10%~90% non-condensing
	Storage humidity	5%~90% non-condensing
Minimum requirements	Computer with: CD-ROM drive / 733MHz CPU or higher / 64 MB memory or higher/ Windows XP, Vista, 7	
Certificates	FCC	