Nokia A040 Wireless LAN Ethernet Adapter – Fast and easy Wireless LAN access

The Nokia A040 Wireless LAN Ethernet Adapter enables any Ethernet device to function wirelessly at 11 Mbit/s speed. The product offers flexibility to corporate customers as well as a unique business opportunity to service providers at airports and in hotels, for example.

The Nokia A040 Wireless LAN Ethernet Adapter turns a wired LAN (Local Area Network) computer into a wireless one. The user will have a reliable, broadband-speed 11 Mbit/s access to all his network services and peripherals, such as the Internet, corporate databases, e-mail, fax and printer.

In addition to corporate customers, the product offers a unique business opportunity to wireless service providers in locations such as airports and hotels. Customers can rent the Nokia A040 Wireless LAN Ethernet Adapters for use with their existing Ethernet-enabled laptop computers. No special set-up or driver software is required for the customer's computer. The adapter simply connects to a laptop's existing 10baseT (Ethernet type) connector. This gives a service provider a potential to increase market penetration by allowing the occasional mobile professional, who does not have or need the total flexibility of the Wireless LAN card, a possibility to experience the wireless connectivity.

Compact solution for immediate use

The Nokia A040 Wireless LAN Ethernet Adapter has been designed with simplicity as a goal. The unit is ready for immediate use without any special configuration. No special drivers need to be loaded onto the

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computer. The self-configuring device reads network information from the computer and seeks out a compatible wireless network.

For more advanced users, browser-based management and Telnet command line manager are provided. For larger networks, SNMP is also supported to ensure seamless integration into corporate networks.
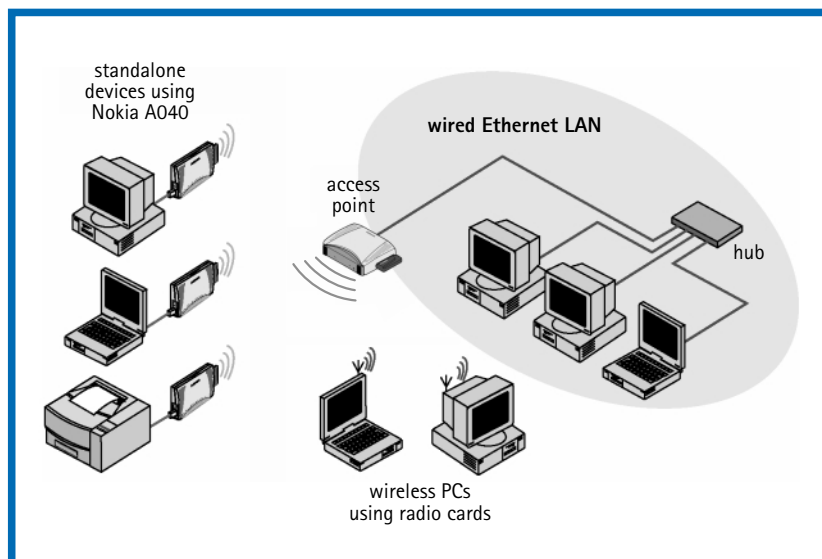
Wi-Fi™ certification guarantees interoperability

The Nokia A040 Wireless LAN Ethernet Adapter fully supports the Wireless Equivalent Privacy (WEP) encryption with 40-bit option (802.11) or extended 128-bit high level security. WEP is used to prevent unauthorised eavesdropping of transmitted and received data.

The product also supports roaming and allows a hand-over between access points. This improves reliability in the event an access point is taken out of service. It also simplifies operation at any location.

The Nokia A040 Wireless LAN Ethernet Adapter is Wi-Fi™ (Wireless Fidelity) -certified which means that it is interoparable with other vendor products with the Wi-Fi™ marking.

Main benefits

- Compact wireless network adapter
- Connection via Ethernet connector
- Self-configuration based on attached device
- Full Web browser based management configuration in addition to SNMP
- Flash memory storage of firmware for field upgrade
- FTP utility to upload and download bulk configuration information
- For management purposes, the unit can be accessed using the IP address of the attached computer, rather than a static address
- Wi-Fi™ certified to ensure interoperability

standalone devices using Nokia A040

wired Ethernet LAN

access point

hub

wireless PCs using radio cards

Technical specifications

Physical specifications

Product name:
   Nokia A040 Wireless LAN Ethernet Adapter
Interface: Ethernet IEEE2.3 10BaseT (RJ-45), cable provided
Dimensions (approx):
   150 mm x 98 mm x 35 mm (max)
Weight (approx): 250 g excluding AC adapter
Wireless LAN standard: IEEE 802.11 b
Antennas: Integrated antennas
Security: Wired Equivalent Privacy (WEP) with up to 128-bit secret key

Power

AC adapter included
100 – 240 V AC
50 – 60 Hz
250 mA

Radio specifications

Channels: 13 channels (depending on local regulations)
Data rate: Up to 11 Mbit/s
Modulation technique:
   Direct Sequence Spread Spectrum
Output power: 35 mW
Receiver sensitivity: Min. –84 dBm

Coverage Area

Outdoors: Max. 400 m radius
Office environment: 100 m radius (depending on the building)

Supplied software and benefits

IT Proxy PC software allows Web browser/ Telnet based configuration of adapter with unassigned IP address
Self configuration based on the computer's settings
Configuration and management functions accessible via Web browser, Telnet and SNMP
Flash memory storage of firmware for field upgrade
TFTP utility to upload and download bulk configuration information
Unit can be accessed for management purposes using the IP address of the attached computer rather than a static address
User Guides in PDF format on CD-ROM

WiFi™

The Standard for Wireless Fidelity.

www.wi-fi.org

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