digital™

Networks

RoamAbout 2.4 GHz frequency hopping wireless LAN adapters

Freedom of mobility with continuous LAN connectivity for mission-critical wireless transactions

enVISN
Digital's Networking Architecture

For continuous connectivity, with the flexibility to go wherever your work takes you, go with the RoamAbout 2.4 GHz Frequency Hopping PC Card or ISA Adapter. Whether you are roaming the building or just setting up in one of those "hard-to-wire" locations, these industry-standard wireless LAN adapters provide the reliable connectivity you need for a wide range of transactional tasks.

RoamAbout 2.4 GHz Frequency Hopping (FH) PC Card in Digital's HiNote PC

Digital's award-winning RoamAbout wireless LAN products let you choose the wireless technology that best suits your mobility needs. Our RoamAbout 2.4 GHz Frequency Hopping PC Card and ISA Adapter are the ideal choice for data collection and other transaction-oriented applications that depend on continuous, reliable wireless connectivity.

These industry-standard wireless LAN adapters allow portable or desktop computers to communicate with other wireless devices using the same technology. What's more, they let you connect to a wired LAN via Digital's RoamAbout Access Point — a full-functioning wireless-to-wired bridge offering the highest bridging performance on the market access to all other devices connected to the LAN — either wired or wireless — regardless of the technology they use.

Benefits

- Provide continuous wireless connectivity for transaction-oriented applications
- Ensure security and reliability using wireless spread-spectrum frequency hopping radio technology
- Give you the freedom to roam, with access to information, services, and devices elsewhere in the building
- Save you from the time and expense of installing and dismantling wired networks
- Support the internationally accepted 2.4 GHz frequency band
- Make installation fast and easy, designed for "plug and play" in industry-standard PCMCIA or ISA slots

Setting the standard for performance and quick and easy wireless connectivity

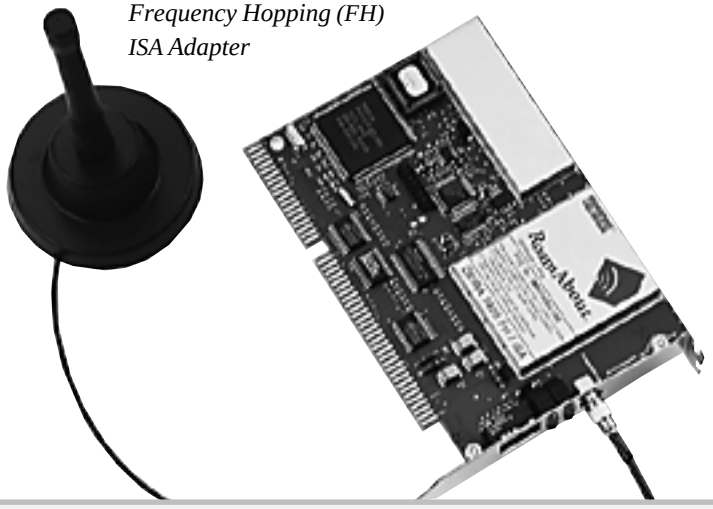
The RoamAbout 2.4 GHz Frequency Hopping PC Card is a steady-performance wireless LAN adapter that fits into any notebook, laptop, or pen-based computer equipped with a Personal Computer Memory Card International Association (PCMCIA) Type II card slot. The RoamAbout 2.4 GHz Frequency Hopping ISA Adapter gives you the same steady performance for any standard PC/AT desktop system with an industry-standard ISA bus slot. Both LAN adapters are designed for "plug and play" installation using your default settings and include ODI and NDIS drivers to support common PC network operating systems such as PATHWORKS, LAN Manager, NetWare®, and NetWare Lite. In addition, these frequency hopping wireless LAN adapters are RangeLAN2 compatible. And because they support the internationally accepted 2.4 GHz frequency band, they are ready to go all around the world.

Wireless networking for any environment

Digital's RoamAbout 2.4 GHz frequency hopping wireless LAN adapters are the ideal solution wherever your work takes you:

- *Service organizations* — such as hospitals — where steady data collection is critical
- *Dynamic work environments* — such as warehouses and manufacturing sites — where accurate inventory and production information needs to be transmitted from anywhere in the site
- *Temporary settings* — such as disaster recovery sites — where continuous communications are essential, yet the time and expense to wire and dismantle a network can be prohibitive
- *Difficult or impossible-to-wire environments* — such as historical sites or buildings made of steel, concrete, or asbestos — where physical structures limit the use of wired networks
- *High-growth companies* — such as start-ups, where office moves and staff changes are frequent

RoamAbout 2.4 GHz Frequency Hopping (FH) ISA Adapter



Digital Knows Networks

RoamAbout 2.4 GHz Frequency Hopping (FH) PC Card in Digital's RoamAbout Access Point

Digital's comprehensive mobile/wireless LAN computing solutions

RoamAbout Access Point — provides the bridge between wireless and wired LANs

RoamAbout 2.4 GHz Frequency Hopping Wireless LAN adapters — provide a secure, steady wireless 2.4 GHz LAN connection for portable computers with a PCMCIA slot and desktop PCs with an ISA bus slot

RoamAbout 2.4 GHz Direct Sequence Wireless LAN adapters — provide a secure, high-performance wireless 2.4 GHz LAN connection for portable computers with a PCMCIA slot and desktop PCs with an ISA bus slot

RoamAbout 915 MHz Direct Sequence Wireless LAN adapters — provide a secure, high-performance wireless 915 MHz LAN connection for portable computers with a PCMCIA slot and desktop PCs with an ISA bus slot

Configuration information

Prerequisite hardware

• Any portable system with an available PCMCIA Type II slot. System must have either Card and Socket Services V2.1 or an Intel® 82365SL PC card controller chip.

• Any 100% compatible PC/AT system with an available ISA bus slot.

Prerequisite software

• MS-DOS® V5.0 or later

One of the following network operating environments:

– Network operating system supporting the NDIS V2.0.1 standard, such as:

– PATHWORKS

– FTP Software Inc.'s PC/TCP™

– Microsoft® LAN Manager V2.0 or later

– Microsoft Windows® for Workgroups

– Network operating system supporting the ODI standard, such as:

– Novell® NetWare V2.X, V3.X, V4.0 or later

– Novell NetWare Lite V1.1 or later

– Personal NetWare

• Windows 95

• Windows NT™

Specifications	
General	
Interface	PC card 2.0, Type II slot
	ISA bus (PC/XT or PC/AT)
Range	Up to 152 m (500 ft)
	Unlimited indoor range with RoamAbout roaming
Data rate	1.6 Mbps
Card size	Standard Type II PC card 8.5 cm x 5.4 cm x 0.5 cm (3.4 in x 2.1 in x 0.2 in)
	1/2 card for ISA bus (3.9 in x 6.2 in)
Active antenna and radio unit	PC card: 3.5 in x 2.25 in x 5 in ISA adapter: Base diameter — 7.6 cm (3 in) Height — 11.4 cm (4.5 in)
Cable length	PC card: 37.5 cm (15 in)
	ISA adapter: 178 cm (72 in)
Networking	
Architecture	Supports client/server and peer-to-peer networking
Drivers included	ODI (NetWare V2.X, V3.X, V4.X, Personal NetWare)
	NDIS (Windows 95, Windows for Workgroups, LAN Manager, LANtastic, PATHWORKS)
Media access protocol	CSMA/CA
Error detection/ correction	Spread spectrum encoding, decoding
Ethernet standard compliance	Ethernet packet types
Security	Software encryption through 15 channels, 16 domains per network, and over 1 million encryption ID choices per domain
Radio	
Frequency band	2.4 – 2.4835 GHz
Radio type	Spread spectrum
Spread spectrum technique	Frequency hopping
Independent channels	15
Output power	100 mW
Power consumption with PC card	Approximately 10% – 15% of typical portable computer battery life
	Standby mode: 5 mA
	Receive mode: 185 mA
	Transmit mode: 325 mA

How to order

To order, contact your local authorized Digital Business Partner and refer to the part numbers provided below. For the name of the Digital reseller nearest you, call 800-457-8211 throughout North America; worldwide call the U.S. at +1 508-692-2562. Information is also available on the World Wide Web:

U.S.	**http://www.networks.digital.com**
Europe	**http://www.networks.europe.digital.com**
Australia	**http://www.digital.com.au/networks**
Japan	**http://www.dec-j.co.jp/ic/network**

Digital part number	Description
DEIRB-xx	RoamAbout 2.4 GHz Frequency Hopping PC Card
DEIRA-xx	RoamAbout 2.4 GHz Frequency Hopping ISA Adapter

EC-F5700-42