



D-Link DFE-550FX 100-Mbps Fiber-optics Adapter with SC Connector User's Guide

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RECYCLABLE

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FCC Warning

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Shielded interface cables must be used in order to comply with emission limits.

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation



Limited Warranty (USA Only)

Subject to the terms and conditions set forth herein, D-Link Systems, Inc. ("D-Link") provides this Limited warranty for its product only to the person or entity that originally purchased the product from:

- D-Link or its authorized reseller or distributor and
- Products purchased and delivered within the fifty states of the United States, the District of Columbia, U.S. Possessions or Protectorates, U.S. Military Installations, addresses with an APO or FPO.

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1-Year Limited Warranty for the Product(s) is defined as follows:

- Hardware (excluding power supplies and fans) One (1) Year
- Power Supplies and Fans One (1) Year
- Spare parts and spare kits Ninety (90) days

D-Link's sole obligation shall be to repair or replace the defective Hardware during the Warranty Period at no charge to the original owner or to refund at D-Link's sole discretion. Such repair or replacement will be rendered by D-Link at an Authorized D-Link Service Office. The replacement Hardware need not be new or have an identical make, model or part. D-Link may in its sole discretion replace the defective Hardware (or any part thereof) with any reconditioned product that D-Link reasonably determines is substantially equivalent (or superior) in all material respects to the defective Hardware. Repaired or replacement Hardware will be warranted for the remainder of the original Warranty Period from the date of original retail purchase. If a material defect is incapable of correction, or if D-Link determines in its sole discretion that it is not practical to repair or replace the defective Hardware, the price paid by the original purchaser for the defective Hardware will be refunded by D-Link upon return to D-Link of the defective Hardware. All Hardware (or part thereof) that is replaced by D-Link, or for which the purchase price is refunded, shall become the property of D-Link upon replacement or refund.

Limited Software Warranty: D-Link warrants that the software portion of the product ("Software") will substantially conform to D-Link's then current functional specifications for the Software, as set forth in the applicable documentation, from the date of original retail purchase of the Software for a period of ninety (90)

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Non-Applicability of Warranty: The Limited Warranty provided hereunder for hardware and software of D-Link's products will not be applied to and does not cover any refurbished product and any product purchased through the inventory clearance or liquidation sale or other sales in which D-Link, the sellers, or the liquidators expressly disclaim their warranty obligation pertaining to the product and in that case, the product is being sold "As-Is" without any warranty whatsoever including, without limitation, the Limited Warranty as described herein, notwithstanding anything stated herein to the contrary.

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- The customer must submit with the product as part of the claim a written description of the Hardware defect or Software nonconformance in sufficient detail to allow DLink to confirm the same.
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- After an RMA number is issued, the defective product must be packaged securely in the original or other suitable shipping package to ensure that it will not be damaged in transit, and the RMA number must be prominently marked on the outside of the package. Do not include any manuals or accessories in the shipping package. D-Link will only replace the defective portion of the Product and will not ship back any accessories.

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For detailed warranty outside the United States, please contact corresponding local D-Link office.

***Register online your D-Link product at
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Warranty and Registration for all Countries and Regions except USA

Wichtige Sicherheitshinweise

Bitte lesen Sie sich diese Hinweise sorgfältig durch.

Heben Sie diese Anleitung für den spätern Gebrauch auf.

Vor jedem Reinigen ist das Gerät vom Stromnetz zu trennen. Verwenden Sie keine Flüssig- oder Aerosolreiniger. Am besten dient ein angefeuchtetes Tuch zur Reinigung.

Um eine Beschädigung des Gerätes zu vermeiden sollten Sie nur Zubehörteile verwenden, die vom Hersteller zugelassen sind.

Das Gerät ist vor Feuchtigkeit zu schützen.

Bei der Aufstellung des Gerätes ist auf sichern Stand zu achten. Ein Kippen oder Fallen könnte Verletzungen hervorrufen. Verwenden Sie nur sichere Standorte und beachten Sie die Aufstellhinweise des Herstellers.

Die Belüftungsöffnungen dienen zur Luftzirkulation die das Gerät vor Überhitzung schützt. Sorgen Sie dafür, daß diese Öffnungen nicht abgedeckt werden.

Beachten Sie beim Anschluß an das Stromnetz die Anschlußwerte.

Die Netzanschlußsteckdose muß aus Gründen der elektrischen Sicherheit einen Schutzleiterkontakt haben.

Verlegen Sie die Netzanschlußleitung so, daß niemand darüber fallen kann. Es sollte auch nichts auf der Leitung abgestellt werden.

Alle Hinweise und Warnungen die sich am Geräten befinden sind zu beachten. Wird das Gerät über einen längeren Zeitraum nicht benutzt, sollten Sie es vom Stromnetz trennen. Somit wird im Falle einer Überspannung eine Beschädigung vermieden.

Durch die Lüftungsöffnungen dürfen niemals Gegenstände oder Flüssigkeiten in das Gerät gelangen. Dies könnte einen Brand bzw. Elektrischen Schlag auslösen. Öffnen Sie niemals das Gerät. Das Gerät darf aus Gründen der elektrischen Sicherheit nur von autorisiertem Servicepersonal geöffnet werden. Wenn folgende Situationen auftreten ist das Gerät vom Stromnetz zu trennen und von einer qualifizierten Servicestelle zu überprüfen:

Netzkabel oder Netzstecker sind beschädigt.

Flüssigkeit ist in das Gerät eingedrungen.

Das Gerät war Feuchtigkeit ausgesetzt.

Wenn das Gerät nicht der Bedienungsanleitung entsprechend funktioniert oder Sie mit Hilfe dieser Anleitung keine Verbesserung erzielen.

Das Gerät ist gefallen und/oder das Gehäuse ist beschädigt.

Wenn das Gerät deutliche Anzeichen eines Defektes aufweist.

Bei Reparaturen dürfen nur Originalersatzteile bzw. den Originalteilen entsprechende Teile verwendet werden. Der Einsatz von ungeeigneten Ersatzteilen kann eine weitere Beschädigung hervorrufen.

Wenden Sie sich mit allen Fragen die Service und Reparatur betreffen an Ihren Servicepartner. Somit stellen Sie die Betriebssicherheit des Gerätes sicher.

Zum Netzanschluß dieses Gerätes ist eine geprüfte Leitung zu verwenden, Für einen Nennstrom bis 6A und einem Gerätegewicht größer 3kg ist eine Leitung nicht leichter als H05VV-F, 3G, 0.75mm² einzusetzen.

WARRANTIES EXCLUSIVE

IF THE D-LINK PRODUCT DOES NOT OPERATE AS WARRANTED ABOVE, THE CUSTOMER'S SOLE REMEDY SHALL BE, AT D-LINK'S OPTION, REPAIR OR REPLACEMENT. THE FOREGOING WARRANTIES AND REMEDIES ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, EITHER IN FACT OR BY OPERATION OF LAW, STATUTORY OR OTHERWISE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. D-LINK NEITHER ASSUMES NOR AUTHORIZES ANY OTHER PERSON TO ASSUME FOR IT ANY OTHER LIABILITY IN CONNECTION WITH THE SALE, INSTALLATION MAINTENANCE OR USE OF D-LINK'S PRODUCTS.

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Limited Warranty

Hardware:

D-Link warrants each of its hardware products to be free from defects in workmanship and materials under normal use and service for a period commencing on the date of purchase from D-Link or its Authorized Reseller and extending for the length of time stipulated by the Authorized Reseller or D-Link Branch Office nearest to the place of purchase.

This Warranty applies on the condition that the product Registration Card is filled out and returned to a D-Link office within ninety (90) days of purchase. A list of D-Link offices is provided at the back of this manual, together with a copy of the Registration Card.

If the product proves defective within the applicable warranty period, D-Link will provide repair or replacement of the product. D-Link shall have the sole discretion whether to repair or replace, and replacement product may be new or reconditioned. Replacement product shall be of equivalent or better specifications, relative to the defective product, but need not be identical. Any product or part repaired by D-Link pursuant to this warranty shall have a warranty period of not less than 90 days, from date of such repair, irrespective of any earlier expiration of original warranty period. When D-Link provides replacement, then the defective product becomes the property of D-Link.

Warranty service may be obtained by contacting a D-Link office within the applicable warranty period, and requesting a Return Material Authorization (RMA) number. If a Registration Card for the product in question has not been returned to D-Link, then a proof of purchase (such as a copy of the dated purchase invoice) must be provided. If Purchaser's circumstances require special handling of warranty correction, then at the time of requesting RMA number, Purchaser may also propose special procedure as may be suitable to the case.

After an RMA number is issued, the defective product must be packaged securely in the original or other suitable shipping package to ensure that it will not be damaged in transit, and the RMA number must be prominently marked on the outside of the package. The package must be mailed or otherwise shipped to D-Link with all costs of mailing/shipping/insurance prepaid. D-Link shall never be responsible for any software, firmware, information, or memory data of Purchaser contained in, stored on, or integrated with any product returned to D-Link pursuant to this warranty.

Any package returned to D-Link without an RMA number will be rejected and shipped back to Purchaser at Purchaser's expense, and D-Link reserves the right in such a case to levy a reasonable handling charge in addition mailing or shipping

costs.

Software:

Warranty service for software products may be obtained by contacting a D-Link office within the applicable warranty period. A list of D-Link offices is provided at the back of this manual, together with a copy of the Registration Card. If a Registration Card for the product in question has not been returned to a D-Link office, then a proof of purchase (such as a copy of the dated purchase invoice) must be provided when requesting warranty service. The term "purchase" in this software warranty refers to the purchase transaction and resulting license to use such software.

D-Link warrants that its software products will perform in substantial conformance with the applicable product documentation provided by D-Link with such software product, for a period of ninety (90) days from the date of purchase from D-Link or its Authorized Reseller. D-Link warrants the magnetic media, on which D-Link provides its software product, against failure during the same warranty period. This warranty applies to purchased software, and to replacement software provided by D-Link pursuant to this warranty, but shall not apply to any update or replacement which may be provided for download via the Internet, or to any update which may otherwise be provided free of charge.

D-Link's sole obligation under this software warranty shall be to replace any defective software product with product which substantially conforms to D-Link's applicable product documentation. Purchaser assumes responsibility for the selection of appropriate application and system/platform software and associated reference materials. D-Link makes no warranty that its software products will work in combination with any hardware, or any application or system/platform software product provided by any third party, excepting only such products as are expressly represented, in D-Link's applicable product documentation as being compatible. D-Link's obligation under this warranty shall be a reasonable effort to provide compatibility, but D-Link shall have no obligation to provide compatibility when there is fault in the third-party hardware or software. D-Link makes no warranty that operation of its software products will be uninterrupted or absolutely error-free, and no warranty that defects in the software product, within or without the scope of D-Link's applicable product documentation, will be corrected.

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Introduction

Thank you for choosing the D-Link DFE-550FX 100-Mbps Fiber-optic Adapter. This introduction provides a general description of the newer networking technologies found on the DFE-550FX.

ACPI Power Management

The DFE-550FX adapter complies with the Advanced Configuration and Power Interface 1.0 (ACPI) specifications. ACPI is a new open industry specification providing power management support systems through hardware and operating system cooperation. ACPI specifies how a computer's BIOS, operating system, and peripherals coordinate power usage. With ACPI, the operating system reduces motherboard and peripheral device power needs by activating devices only when they are needed.

802.3x Flow Control

The DFE-550FX implements IEEE 802.3x compliant flow control for full duplex, which provides traffic management functions for full duplex operation. Flow control allows for enhanced full duplex operation with switches. If the switch's data buffer is about to overflow when operating at full duplex, a Pause frame will be transmitted to the DFE-550FX. The ensuing idle time keeps the buffer from overflowing and prevents data from being lost. This enhancement can improve network throughput and prevent lost data, helping the network achieve optimal performance.

In order for 802.3x Flow Control to operate, your switch or hub must support this feature. In addition, some adjustments to the

switch or hub settings may be needed.

IEEE 802.1p Priority Tagging

With the growing number of network applications, local area networks (LANs) must deliver data for a wide variety of applications: e-mail, file transfers, database queries, voice over IP (VoIP), video-conferencing, and multimedia must all be delivered to end-users. Some of the traffic, such as video-conferencing, is time-critical. A slight delay in packet delivery can result in noticeable degeneration of video and audio quality, while other traffic, such as e-mail will not be noticeably affected by tiny delays. The large number of programs running over today's networks can impede the ability to deliver time-critical data. Even if available bandwidth is not usually a problem on your network, during peak hours bursts in network traffic can result in the delay of time-critical traffic.

IEEE 802.1p defines eight levels of prioritization for Ethernet packets. High priority packets will be sent through a network using 802.1p-compliant switches first. Lower priority packets will be transferred when bandwidth is available. When properly setup, this ensures that time-critical data arrives on time and is not affected by other traffic.

IEEE 802.1Q VLANs

The IEEE 802.1Q VLAN can help improve network performance and security by segmenting the network into different VLANs. IEEE 802.1Q VLANs can limit broadcast traffic to a single VLAN that prevents the effects of broadcast storms and provides additional security for your network.

To set up GVRP VLANs, which supports dynamic registration, the adapter should be connected to a switch with GVRP VLAN capability.

For VLANs to function, the computer in which this NIC is installed must be using Windows 95 or later.

Product Features

Designed for high performance and versatility, the DFE-550FX Adapter provides the following features:

- Plug and Play installation.
 - Complies with the IEEE 802.3u/100BASE-FX Ethernet standards.
 - PCI Bus Master direct memory access for high throughput and low CPU utilization.
 - ACPI 1.0 power management compliant.
 - IEEE 802.3x Flow Control enabled with full duplex operation, allowing enhanced operation when directly connected to a switch.
 - IEEE 802.1Q/VLAN Tagging supported
 - VLAN dynamic registration using IEEE 802.1Q GVRP standard
 - IEEE 802.1p compliant
 - DL10050C, D-Link in-house 32-bit intelligent Ethernet controller.
 - Built-in FIFO buffers.
 - Three LED indicators: Link, Activity, Full-duplex
 - Driver support for all leading Network Operating Systems.
 - Auto-assignment of IRQ, I/O addresses.
 - PCI 2.2 specification compliant
 - Transmission distance of 412m at half-duplex mode and 2000m at full-duplex.
 - 100Mbps Fast Ethernet data transfer rate.
 - Built-in SC connector.
-

Installation

Installation of the DFE-550FX 100-Mbps Adapter requires installing the hardware first. Once the interface card has been installed into the host computer, the software can be installed.

Unpacking

CAUTION: *Under ordinary circumstances, a DFE-550FX interface card will not be affected by static electricity. However, it is good practice to eliminate static charges by touching a sizable metal object before handling the adapter card.*

Open the shipping carton and carefully remove all items. In addition to this User's Guide, ascertain that you have:

- One DFE-550FX Ethernet Adapter Card.
- DFE-550FX Software Diskette.

Installing the Adapter

1. Shut down the computer, unplug its power cord, and remove the cover.
2. If your order does not include the Boot ROM option, go ahead to Step 3. If your order includes the Boot ROM option, then install the Boot ROM Chip by plugging the chip into the Boot ROM Socket on the DFE-550FX card. The notched end of the Boot ROM Chip must be aligned with the notched end of the Boot ROM Socket. Opposite alignment will destroy the Boot ROM Chip!
3. Firmly insert the contact edge of the DFE-550FX card into any available PCI Bus expansion slot.
4. Install the bracket screw to secure the card to the computer chassis.

5. Replace the computer cover.
6. Reconnect the computer power cord, and switch the computer power on. If the BIOS section of your computer boot program is Plug and Play compliant, then at power-up the BIOS will automatically configure itself for the newly installed DFE-550FX adapter.

NOTE: *Due to a fault in some Plug-n-Play BIOS programs, it happens occasionally that a newly installed adapter is assigned an IRQ Number which is already assigned to another device. In such a case, the conflicting IRQ Numbers (IRQ numbers must be unique) will cause faults in the behavior of both devices. If this happens, it is necessary to run the CMOS Setup utility, and manually assign a non-conflicting Interrupt Number to the DFE-550FX.*

Connecting the Network Cable

Multimode (62.5/125 μ m or 50/125 μ m) fiber cabling with an IEEE recommended SC connector is required for the adapter. Observe the correct relationship between the receive (Rx) and transmit (Tx) ports on the adapter and repeater. If there is a need to monitor the adapter's faceplate LEDs, make the rear of the PC or workstation accessible and leave sufficient clearance for cabling and service. The maximum length of fiber cable between any station and its supporting hub is 2,000 meters at full-duplex and 412 meters at half-duplex.

Software Installation

On account of the great variety of network environments in which the DFE-550FX may be used, the instructions for software installation are given as README files on the DFE-550FX Software Diskette. Review the root directory and locate the subdirectory containing the appropriate software for use with your network operating system. Access the README file for overview information. For full installation details, see the README file and the referenced instruction files in the sub-

Verification

This test program verifies configuration of the DFE-550FX as set by the installation procedure, and assists with isolation of any faults in operation. Verification and testing procedures are optional, and will only be useful in the unusual event that there is a fault, such as an interrupt number conflict among your computer expansion cards. If your installation provides normal operation, you might choose to skip these procedures.

The Verification Program provides two levels of testing: adapter function testing and network operation testing..

Adapter testing does not require substitution of a loopback cable. All procedures of the Adapter test may be carried out with the network cable connection in place.

For the network operation test, the cable connecting your station with its supporting hub must be in place. Network testing involves the broadcast transmission of test packets from the primary station. The test cannot be fully implemented unless a second station on the LAN is available to the network operation test, in order to return the test packets to the primary station.

To run the Verification Program, proceed with these steps:

Troubleshooting

If you experience any problems with the adapter, first verify that the appropriate driver is loaded, that the proper grade of cable is employed for the network connection, and that the supporting hub is functioning properly.

1. Ascertain that the adapter card is fully and firmly seated in the slot connector.
2. Check the length and rating of connecting cables.
3. Ascertain that the adapter PCI slot is not deactivated at the BIOS level. The CMOS Setup utility in PCI computers ordinarily provides the option to activate or deactivate PCI slots.
4. Install the questioned adapter in another PCI computer and run the tests again.

Remove all other PCI adapters from the computer and run the tests again. If the verification run is then normal, then there is probably an interrupt number conflict that will have to be resolved manually by a CMOS Setup utility run after you have reinstalled all of the expansion cards.

The DFE-550FX Adapter features three LED indicators to assist in network diagnostics:

- **LINK**
Steady green indicates good linkage between the DFE-550FX and the supporting network device.
- **ACTIVE**
Flashing green indicates activity (transmitting or receiving) within the adapter.
- **FULL (duplex) Indicator**
This LED is ON for full duplex connections and OFF when connected at half duplex.

Specifications

Network Type:

- IEEE 802.3u standard 100Mbps Ethernet 100BASE-FX

Media interface: SC

LAN Chip Set:

- Interface controller: D-Link DL10050C

EMI Compatibility:

- FCC Class B
- VCCI Class B
- CE Class B
- C-Tick
- BSMI

Host interface: PCI 2.2 Bus (Bus Master)

Optical Transceiver: Agilent HFBR-5803

Physical Dimensions: 120mm x 73mm

Environment:

- Storage: -25° ~ 55°C (-13° ~ 131°F)
- Operating: 0° ~ 50°C (32° ~ 122°F)
- Humidity: 10% to 90% non-condensing

Power Consumption: 1.5 Watts max

ESD: 8 KV min

PCB: 4 layers

Device Drivers[†]

Software drivers for:

- Microsoft Windows 95/95OSR2
- Microsoft Windows 98/98SE/ME

[†] Check <http://www.dlink.com> for newest release of drivers.

- Microsoft Windows 2000/XP/server 2003
- Microsoft NT 3.51/4.0
- Microsoft Windows for Workgroups 3.11.
- Microsoft Client for DOS.
- NDIS 2 driver
- NDIS 3 driver
- NDIS 4 driver
- NDIS 5 driver
- Novell Netware ODI driver
- Novell Netware Server 4.1x
- Novell Netware Server 5.x
- Novell Netware Server 6.x
- IBM LAN Support Program v1.3x.
- FTP PC/TCP.
- SUN PC-NFS.
- Packet Driver.
- SCO OpenServer 5.0
- Linux: kernel v2.0.x, kernel v2.2.x, kernel v2.4.x

D-Link Offices

Australia

D-Link Australasia

1 Giffnock Avenue, North Ryde, NSW 2113, Sydney, Australia

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URL: www.dlink.com.au

Belgium

D-Link Belgium

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URL: www.dlink-benelux.com

Brazil

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Las Condes Fono 2323185, Santiago, Chile

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China

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Egypt**D-Link Egypt**

19 El-Shahed Helmy, El Masry, Al-Maza, Heliopolis,
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Sweden	D-Link Sweden P. O. Box 15036, S-167 15 Bromma, Sweden TEL: 46-(0)8564-61900 FAX: 46-(0)8564-61901 URL: www.dlink.se
Taiwan	D-Link Taiwan 2F, No. 119, Pao-chung Road, Hsin-tien, Taipei, Taiwan

TEL: 886-2-2910-2626 FAX: 886-2-2910-1515
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Turkey

D-Link Turkey

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U.A.E.

D-Link Middle East

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URL: www.dlink-me.com

U.K.

D-Link Europe (United Kingdom)

4th Floor, Merit House, Edgware Road, Colindale,
London
NW9 5AB United Kingdom
TEL: 44-020-8731-5555 FAX: 44-020-8731-5511
URL: www.dlink.co.uk

U.S.A.

D-Link Systems, Inc.

17595 Mt. Herrmann, Fountain Valley, CA 92708,
USA
TEL: 1-714-885-6000 FAX: 1-866-743-4905
URL: www.dlink.com

Registration Card (Excluding USA)

Print, type or use block letters.

Your name:

Mr./Ms _____

Organization: _____ Dept. _____

Your title at organization: _____

Telephone: _____ Fax: _____

Organization's full address: _____

Country: _____ Date of purchase

(Month/Day/Year): _____

Product Model	Product Serial No.	* Product installed in type of computer (e.g., Compaq 486)	* Product installed Computer serial No.

(* Applies to adapters only)

Product was purchased from:

Reseller's name: _____

Telephone: _____ Fax: _____

Reseller's full address: _____

1. Where and how will the product primarily be used?

☐ Home ☐ Office ☐ Travel ☐ Company Business ☐ Home Business ☐ Personal

2. How many employees work at installation site?

☐ 1 employee ☐ 2-9 ☐ 10-49 ☐ 50-99 ☐ 100-499 ☐ 500-999 ☐ 1000 or more

3. What network protocol(s) does your organization use ?

☐ XNS/IPX ☐ TCP/IP ☐ DECnet ☐ Other _____

4. What network operating system(s) does your organization use ?

☐ D-Link LANsmart ☐ Novell NetWare ☐ NetWare Lite ☐ SCO Unix/Xenix

☐ PC NFS ☐ 3Com 3+Open ☐ Banyan Vines ☐ DECnet Pathwork

☐ Windows NT ☐ Windows NTAS ☐ Windows '95 ☐ Other _____

5. What network management program does your organization use ?

☐ D-View ☐ HP OpenView/Windows ☐ HP OpenView/Unix ☐ SunNet Manager ☐ Novell NMS

☐ NetView 6000 ☐ Other _____

6. What network medium/media does your organization use ?

☐ Fiber-optics ☐ Thick coax Ethernet ☐ Thin coax Ethernet

☐ 10BASE-T UTP/STP ☐ 100BASE-TX ☐ 100BASE-T4 ☐ 100VGAnyLAN ☐ Other _____

7. What applications are used on your network?

☐ Desktop publishing ☐ Spreadsheet ☐ Word processing ☐ CAD/CAM

☐ Database management ☐ Accounting ☐ Other _____

8. What category best describes your company?

☐ Aerospace ☐ Engineering ☐ Education ☐ Finance ☐ Hospital ☐ Legal ☐ Insurance/Real Estate ☐ Manufacturing

☐ Retail/Chainstore/Wholesale ☐ Government ☐ Transportation/Utilities/Communication ☐ VAR

☐ Systemhouse/company ☐ Other _____

9. Would you recommend your D-Link product to a friend?

☐ Yes ☐ No (why?) _____ ☐ I don't know yet

10. Your comments on this product:



TO:

D-Link®