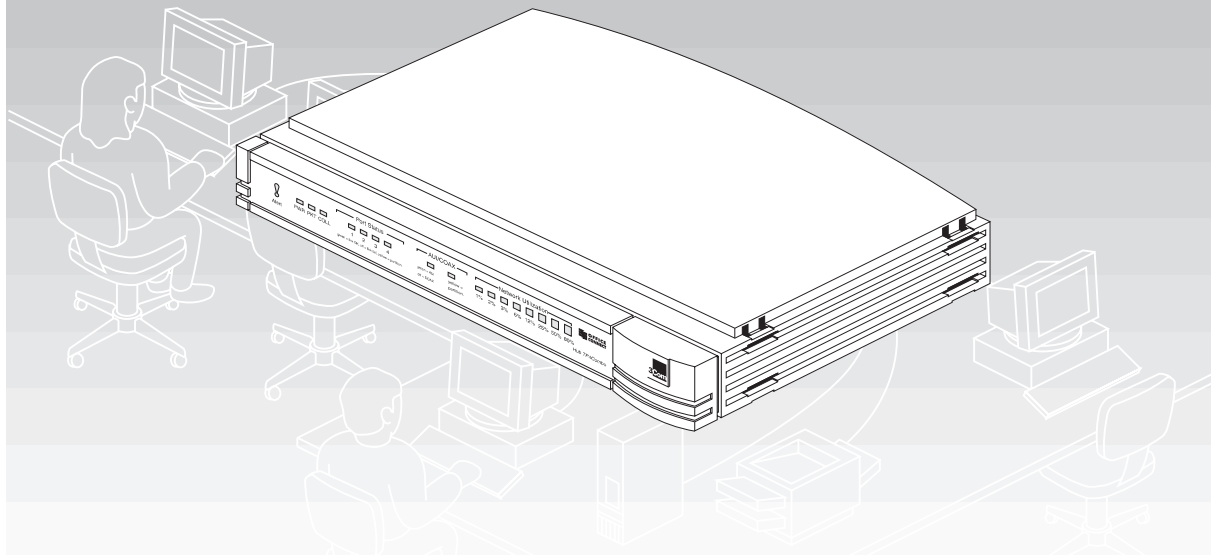




OFFICECONNECT™ HUB TP4 3C16704

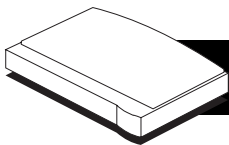
OFFICECONNECT™ HUB TP4COMBO 3C16703

USER GUIDE



Part No.
DUA1670-3AAA01

Published
November 1996



INTRODUCTION

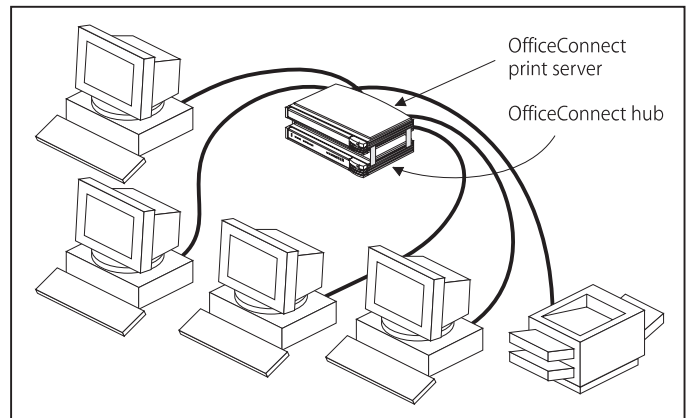
Welcome to the world of networking with 3Com®.

In the modern business environment, communication and sharing information is crucial. Computer networks have proved to be one of the fastest modes of communication but until now only large businesses could afford the networking advantage. The OfficeConnect™ product range from 3Com has changed this, bringing networks to the small office.

The OfficeConnect Hub TP4 and OfficeConnect Hub TP4Combo are ideal for creating small networks. They are compact and attractively designed for desktop use. These two products are part of the OfficeConnect range which neatly stack together with clips, providing a host of facilities, for example print sharing and a network fax. For information on these products, see the "OfficeConnect Product Range" sheet that accompanies this product.

When referring to both products, this guide uses the term 'OfficeConnect hub'.

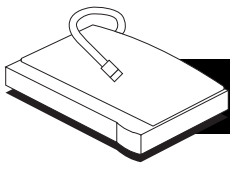
A single OfficeConnect hub allows you to create a small network with up to four workstations.



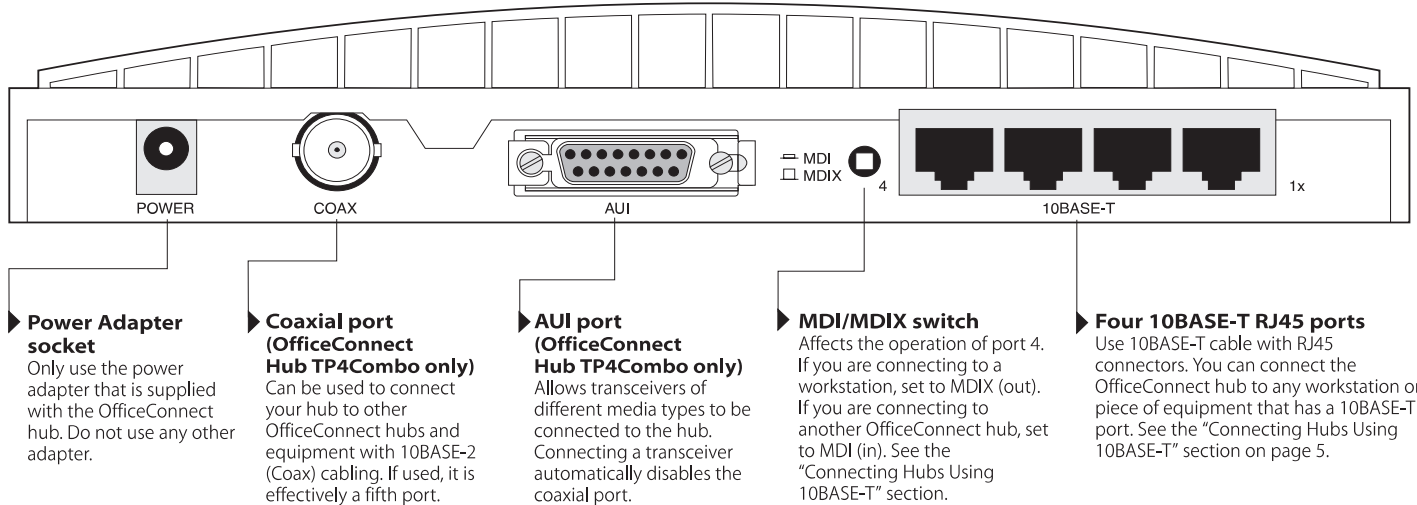
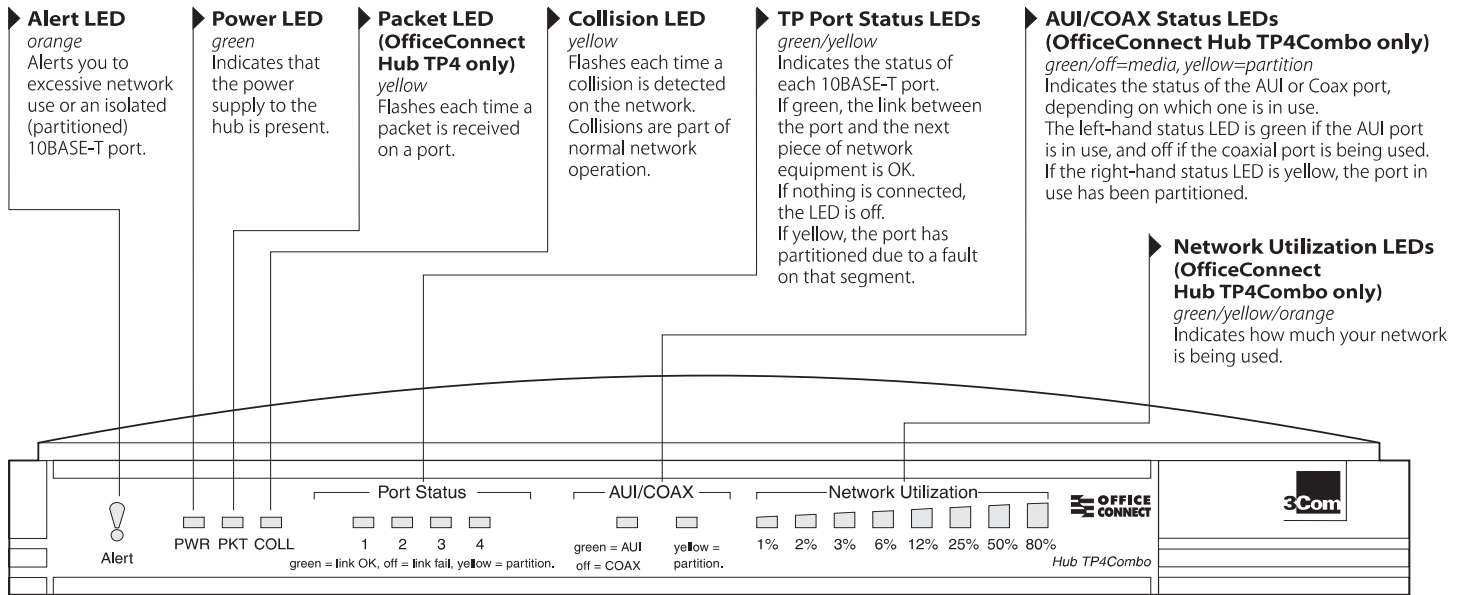
Small Network Featuring OfficeConnect Hub And Optional Print Server

If you need to connect more workstations, simply connect and clip another OfficeConnect hub to form a stack (each hub is a single repeater).

The OfficeConnect Hub TP4 has four 10BASE-T ports. The OfficeConnect Hub TP4Combo has four 10BASE-T ports, a 10BASE-2 (Coax) port, and an AUI port. You can use either of these ports as an extra fifth port, but not at the same time; connecting a transceiver to the AUI port disables the Coax port.



CREATING YOUR NETWORK



Networking Terminology

A **Network** is a collection of workstations (for example, IBM-compatible personal computers) and other equipment (for example, printers), connected for the purpose of exchanging information. Networks vary in size, some are within a single room, others span continents.

A **Local Area Network (LAN)** is a network, usually in an office, that spans no more than a single site.

Ethernet is a type of LAN, referring to the technology used to pass information around the network.

10BASE-T is the name given to the Ethernet protocol that runs over **Twisted Pair (TP)** cable. The OfficeConnect hub uses **RJ45** type connectors for connecting your network.

10BASE-2 is the name given to the Ethernet protocol that runs over **Coaxial** cable.

A **Network Loop** occurs when two pieces of network equipment are connected by more than one path. Your hub detects this and **Partitions** (isolates) one of its ports to break the loop.

A **Segment** is the length of Ethernet cable connected to a port, whether this cable is 10BASE-T, 10BASE-2 (Coax), or other type. When you daisy-chain equipment together with 10BASE-2 (Coax) cable, **all** of the cable forms a single segment.

Packets are the units of information your workstations and other equipment send to each other over the network.

Collisions are a part of normal Ethernet operation and occur if two or more devices (pieces of network equipment) attempt to transmit at the same time. A sudden sustained increase in the number of collisions can indicate a problem with a device, particularly if it is not accompanied by a general increase in traffic. On coaxial segments an increase in collisions can also indicate faulty cabling.

Before You Start

Your OfficeConnect hub comes with:

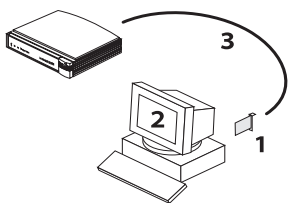
- One power adapter for use with the OfficeConnect hub
- A Warranty Registration card for you to fill out and return
- Four rubber feet
- Four stacking clips
- An OfficeConnect Product Range Sheet
- This guide

i The extra parts listed below are **not** provided with the hub.

Workstation Connections

To connect workstations and other equipment to your hub, you need:

- 1 10BASE-T connections for all your equipment. 3Com produce a range of easy to install network adapters, which provide your workstations with 10BASE-T connections.
- 2 An operating system with network support configured, running on your workstations.
- 3 One 'Straight-through' 10BASE-T cable for every workstation or piece of equipment. A 'Straight-through' cable is one where the pins of one connector are connected to the same pins of the other connector. 10BASE-T cables can be shielded or unshielded. We recommend you use shielded. The maximum length you can use is 100 meters (328 feet).



i In order to comply with the 10BASE-T standard, ports designed for workstation connections have been marked with the graphical symbol 'X'. This denotes a crossover in the port's internal wiring, for example 1x, 2x, 3x...

Hub Connections

To connect additional hubs using 10BASE-2 (Coax) (OfficeConnect Hub TP4Combo only), you need:

- One 10BASE-2 50 Ohm cable for each additional hub. The minimum cable length you can use is 0.5 meters (1.6 feet). The maximum segment length is 185 meters (607 feet).
- One 10BASE-2 'Y' piece for each hub. You can use 'T' pieces but 'Y' pieces provide optimal clearance of the other ports.
- Two 10BASE-2 50 Ohm terminators (end pieces).

If you have additional hubs you want to connect using 10BASE-T, you need:

- One 'Straight-through' 10BASE-T cable for each extra hub.

Transceiver Connections (OfficeConnect Hub TP4Combo only)

If you want to connect a transceiver to your hub, you need:

- An AUI cable of appropriate length.
- A transceiver for the chosen media type.

Positioning Your OfficeConnect Hub

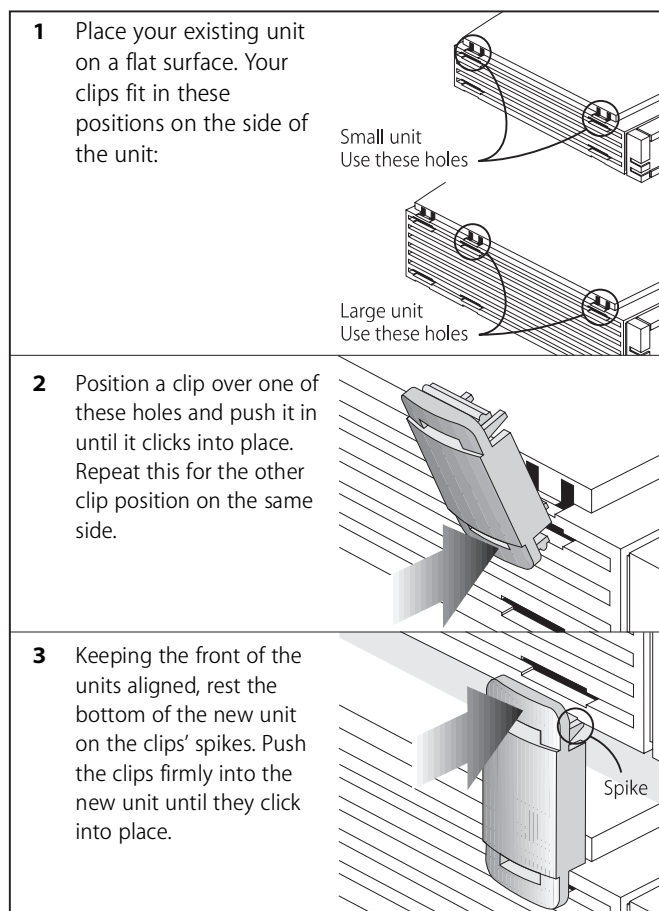
When installing your OfficeConnect hub, ensure:

- It is out of direct sunlight and away from sources of heat.
- Cabling is away from power lines, fluorescent lighting fixtures, and sources of electrical noise such as radios, transmitters and broadband amplifiers.
- Water or moisture cannot enter the case of the unit.
- Air flow around the unit and through the vents in the side of the case is not restricted. We recommend you provide a minimum of 25.4 mm (1 in) clearance.

Using the Rubber Feet and Stacking Clips

The four self-adhesive rubber feet prevent your hub from sliding around on your desk. Stick the feet to the marked areas at each corner of the underside of your hub.

The four stacking clips are used for neatly and securely stacking your OfficeConnect units together. **You can stack up to a maximum of four units. Small units must be stacked above large units.** To stack your units, secure the clips on one side and then on the other. Use the following method to secure one side:



Repeat these steps to secure the other side.

To remove a clip, hold the units firmly with one hand and hook the first finger of your other hand around the back of the clip. Use reasonable force to pull it off.



Wall mounting the OfficeConnect Hub

There are two slots on the underside of the OfficeConnect hub which are used for wall mounting. You can mount the hub with the LEDs facing upwards or downwards.

i When wall mounting your hub, ensure that it is within reach of the power outlet.

You need two suitable screws. Ensure that the wall you are going to use is smooth, flat, dry and sturdy. Make two screw holes which are 150 mm (5.9 in) apart. Use the guide at the top of this page to mark the position of the holes. Fix the screws into the wall, leaving their heads 3 mm (0.12 in) clear of the wall surface.

Remove any connections to the hub and locate it over the screw heads. When in line, gently push the hub on to the wall and move it downwards to secure. When making connections, be careful not to push the hub up and off the wall.

! **CAUTION:** Only wall mount single hubs, do not wall mount stacked hubs.

Connecting Workstations and Other Equipment to Your Hub

! **WARNING:** Ensure you have read the Important Safety Information section carefully before you start.

ACHTUNG: Versichern Sie sich, daß Sie den Abschnitt mit den wichtigen Sicherheitshinweisen gelesen haben, bevor Sie das Gerät benutzen.

AVERTISSEMENT: Assurer que vous avez lu soigneusement la section de L'information de Sécurité Importante avant que vous commenciez.

! **CAUTION:** Do not power the hub off and on quickly. Wait about 5 seconds between power cycles.

Connect workstations and other equipment to any of the hub's 10BASE-T RJ45 ports using 10BASE-T cables.

To connect a 10BASE-T cable, simply slot the connector into the relevant RJ45 port. When the connector is fully in, its latch locks it in place. To disconnect the cable, push the connector's latch in and remove it.

i If you are using port 4 to connect to a workstation, ensure the MDI/MDIX switch is set to MDIX (out).

Connecting Transceivers to the AUI Port

You can connect any 802.3 transceiver to your hub, using a standard AUI cable. Connect one end of the cable to the transceiver and the other end to the AUI port on the hub's rear panel. This automatically disables the Coax port, and activates the AUI/COAX LED to show the external transceiver is in use. Engage the slide locks at both ends of the AUI cable.

The hub detects all port connections, so you can start using your network immediately. When you need more ports, simply add more OfficeConnect hubs.

Connecting OfficeConnect Hubs Together

You can increase the number of workstations that can connect to your network by adding more OfficeConnect hubs. You can use either 10BASE-T or 10BASE-2 (Coax) (OfficeConnect Hub TP4Combo only) to do this:

- With 10BASE-2 (Coax) you can connect up to 30 hubs on a single segment, leaving all of the RJ45 ports free.
- With 10BASE-T you can connect up to four hubs in series, leaving each of the AUI ports on the hubs available for use.

! **CAUTION:** Do not connect the same two hubs together using both 10BASE-T and 10BASE-2 (Coax). This causes a network loop.

i If you do not use the 10BASE-2 (Coax) port, you do not need to connect a terminator (end piece) to it.

Connecting Hubs Using 10BASE-2 (Coax) (OfficeConnect Hub TP4Combo only)

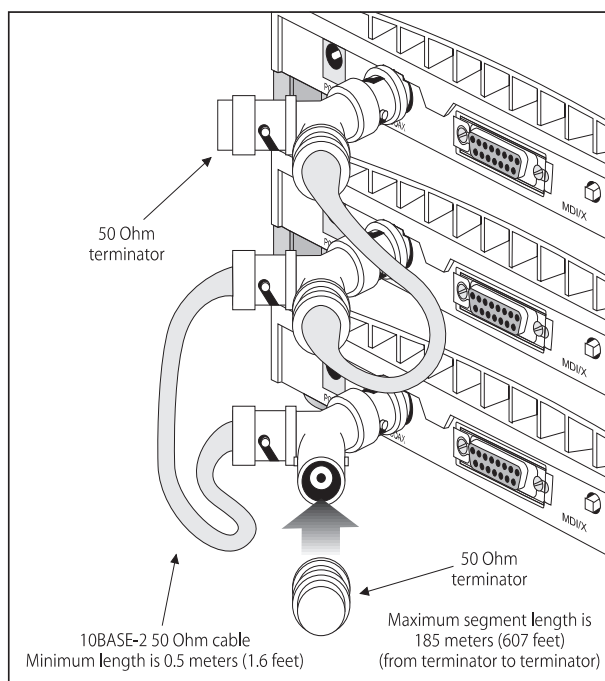
i If you have connected a transceiver to the AUI port, the Coax port will be disabled, and you will need to connect your hubs using 10BASE-T cable (see the next section), or by means of the external transceiver.

When using 10BASE-2 (Coax) cable, it is important that both ends of the segment are properly terminated with 50 Ohm terminators (end pieces).

Only use 50 Ohm 10BASE-2 (Coax) cables and use a 'Y' piece for each hub. You can use 'T' pieces but 'Y' pieces provide optimum clearance of the other ports.

Connect a 10BASE-2 'Y' piece to each of your hubs. Daisy-chain each 'Y' piece with 10BASE-2 (Coax) cable to form a single segment (as shown in the diagram). Remember to terminate the two free ends of the segment by fitting terminators (end pieces).

To disconnect a 10BASE-2 (Coax) cable, twist each connector counter-clockwise to unlock it, and remove it.



Correct Hub Connections Using 10BASE-2 (Coax)

Connecting Hubs Using 10BASE-T

You can connect hubs together with 10BASE-T in a number of ways, but for simplicity we recommend the following method:

- 1 Starting from the bottom, connect port 4 of the lower hub to port 3 of the hub immediately above. Repeat for each hub (as shown in the diagram).
- 2 Set all MDI/MDIX switches to MDI (in) except for the top hub (the one with port 4 not connected to another hub). This unused port can be connected to a workstation provided that the MDI/MDIX switch is set to MDIX (out).

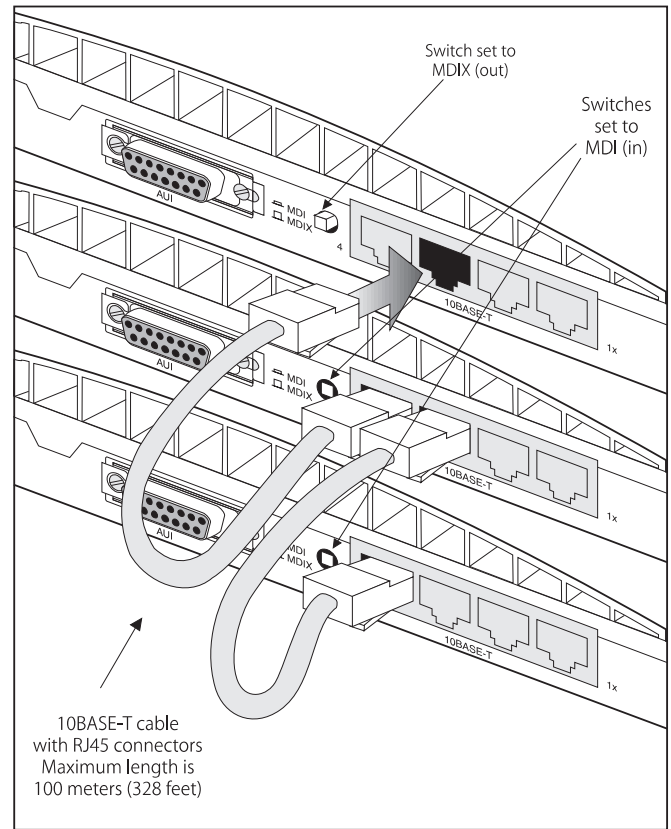
Checking Hub Connections

When you have connected your hubs, power them on. The Port Status LEDs for the ports you have used should be green for 10BASE-T, or off for 10BASE-2 (Coax). If they are not, check your connections. If the 10BASE-2 (Coax) port is not used and is not terminated and the AUI port is not being used, the LED should be yellow showing that it has partitioned. This is correct operation.

Spot Checks

At frequent intervals, visually check that:

- The Alert LED is not lit — this is the best way to find out if there are problems with your network
- Case vents are not obstructed
- Cabling is secure and not pulled taut



Correct Hub Connections Using 10BASE-T



PROBLEM SOLVING

The OfficeConnect hub has been designed to aid you when detecting and solving possible problems with your network. These problems are rarely serious, the cause is usually a disconnected or damaged cable, or incorrect configuration. If this section does not solve your problem, contact your supplier for information on what to do next.

Perform these actions first:

- Ensure all equipment is powered on.
- Power each hub off, wait about 5 seconds and then power them on.

Check the following symptoms and solutions:

Power LED not lit. Check your power adapter connection. If there is still no power, you may have a faulty power adapter which needs replacing with another OfficeConnect power adapter. **Do not use any other power adapter with the hub.**

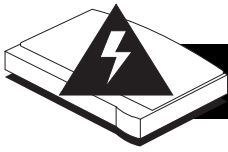
Alert LED continuously lit. There is either continual excessive use of your network (over 80%) or, more likely, a 10BASE-T port has partitioned due to a loop in your network (in which case the corresponding Port Status LED will be yellow). Examine your connections and remove the loop. Each piece of equipment needs only one connection to your OfficeConnect hub.

Port Status LED yellow for a 10BASE-T port. It is likely that there is a loop in your network which has caused this port to partition. Examine your connections and remove the loop. Each piece of equipment needs only one connection to your OfficeConnect hub. The LED will change from yellow to green, on receiving a valid packet on the port.

Port Status LED not lit for a 10BASE-T port that has a connection. There is a problem with this connection. Check that you are using a 'Straight-through' 10BASE-T cable which is properly connected at both ends, and is not damaged. If the cable is connected to Port 4, ensure that the MDI/MDIX switch is set to MDIX (out). Also check that the equipment being connected to the hub is powered on and operating correctly.

Link between two OfficeConnect hubs not working. Check your hub connections; follow the information given in the ["Connecting OfficeConnect Hubs Together"](#) section. With 10BASE-T it is likely an MDI/MDIX switch is incorrectly set. With 10BASE-2 (Coax) it is likely a terminator (end piece) is not properly fitted; this would cause the Coax Port Status LED to light yellow (partition).

AUI/COAX Port Status LED not lit when external transceiver in use. Check the AUI cable is correctly connected to the hub and to the external transceiver. Ensure both slide locks are engaged.



IMPORTANT SAFETY INFORMATION



WARNING: Warnings contain directions that you must follow for your personal safety. Follow all instructions carefully.

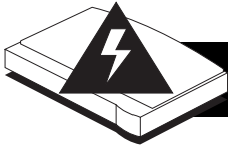
Please read carefully the following information thoroughly before installing the OfficeConnect hub:

- Exceptional care must be taken during installation and removal of the unit.
- Only stack the OfficeConnect hub with other OfficeConnect units.
- Only use the power adapter that is supplied with the unit to ensure compliance with international safety standards.
- It is essential that the power outlet is located near the unit and is accessible. You can only remove power to the OfficeConnect hub by disconnecting the power adapter from the unit or from the socket outlet.

- This unit operates under SELV conditions (Safety Extra Low Voltage) according to IEC 950, the conditions of which are maintained only if the equipment to which it is connected is also operational under SELV.
- There are no user-replaceable fuses or user-serviceable parts inside the hub. If you have a physical problem with the unit that cannot be solved with problem solving actions in this guide, contact your supplier.
- Disconnect the power adapter before moving the unit.



WARNING: Twisted Pair RJ45 ports. These are RJ45 data sockets. They cannot be used as telephone sockets. Only connect RJ45 data connectors to these sockets.



WICHTIGE SICHERHEITSHINWEISE



ACHTUNG: Die Warnungen enthalten Anweisungen, die Sie zur eigenen Sicherheit zu befolgen haben.

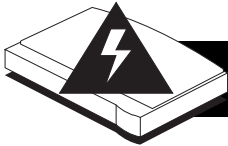
Lesen Sie bitte die folgenden Informationen sorgfältig durch, bevor Sie den Hub einbauen:

- Auf besondere Vorsicht muß während des Ein- und Ausbaus des Hubs geachtet werden.
- Stapeln Sie den Hub nur mit anderen OfficeConnect Hubs zusammen.
- Verwenden Sie nur das mit dem Hub mitgelieferte Netzteil um die internationalen Sicherheitsstandards zu erfüllen.
- Die Netzsteckdose muß sich in unmittelbarer Nähe des Hubs befinden und frei zugänglich sein. Sie können den Hub nur spannungsfrei schalten, indem Sie das Steckernetzteil aus der Netzsteckdose ziehen oder die Verbindung zum Gerät unterbrechen.

- Dieser Hub arbeitet mit SELV-Spannung (Safety Extra Low Voltage, Sicherheitskleinspannung) gemäß IEC950. Diese Bedingungen werden nur eingehalten, wenn die Geräte mit denen der Hub verbunden ist ebenfalls mit SELV-Spannung arbeiten.
- Es sind keine von dem Benutzer zu ersetzende oder zu wartende Teile in dem Gerät vorhanden. Wenn Sie ein Problem mit dem Hub haben, das nicht mittels der Fehleranalyse in dieser Anleitung behoben werden kann, setzen Sie sich mit Ihrem Lieferanten in Verbindung.
- Bevor der Hub ausgebaut wird ist das Netzteil zu ziehen.



ACHTUNG: gedrehte paarfache RJ45 Anschlüsse. Es sind RJ45 Datenanschlüßbuchsen. Sie dürfen nicht als Telefonanschluß verwendet werden. Verbinden Sie nur RJ45 Datenstecker mit diesen Anschlüssen.



L'INFORMATION DE SÉCURITÉ IMPORTANTE



AVERTISSEMENT: Les avertissements contiennent les instructions que vous devez suivre pour votre sécurité personnelle. Suivre toutes les instructions avec soin.

Veillez lire à fond l'information suivante avant d'installer le moyeu:

- Le soin exceptionnel doit être pris pendant l'installation et l'enlèvement du moyeu.
- Seulement entasser le moyeu avec les autres moyeux OfficeConnects.
- Seulement utiliser la pièce de raccordement d'alimentation qui est fournie avec le moyeu pour assurer la conformité avec les normes de sécurité internationales.
- C'est essentiel que le socle de prise de courant du réseau soit localisé proche du moyeu et soit accessible. Vous pouvez seulement enlever l'alimentation au moyeu en débranchant la pièce de raccordement d'alimentation de l'unité ou du socle de prise de courant.

- Ce moyeu fonctionne sous les conditions SELV (Sécurité du Voltage le plus Bas) d'après IEC950, les conditions desquelles sont maintenues seulement si le matériel à qui il est branché est aussi en exploitation sous SELV.
- Il n'y a pas de parties remplaçables par les utilisateurs ou entretenues par les utilisateurs à l'intérieur du moyeu. Si vous avez un problème physique avec le moyeu qui ne peut pas être résolu avec les actions de la résolution des problèmes dans ce guide, contacter votre fournisseur.
- Débrancher la pièce de raccordement d'alimentation avant de remuer le moyeu.



AVERTISSEMENT: Les ports RJ45 de paire tordue. Ceux-ci sont les socles de données RJ45. Ils ne peuvent pas être utilisés comme socles de téléphone. Seulement brancher les connecteurs de données RJ45 à ces socles.

3Com Corporation, 5400 Bayfront Plaza, Santa Clara, California, 95052-8145

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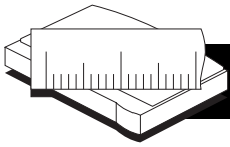
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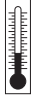





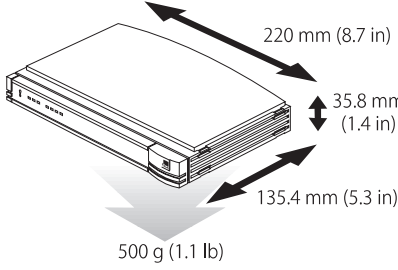
DIMENSIONS AND STANDARDS

Dimensions and Operating Conditions


 2 VA
7 BThU/hr
power

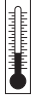
 0-40°C (32-105°F)
operating
temperature


 0-90%
(non-condensing)
humidity

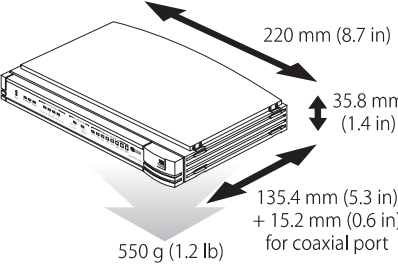


OfficeConnect Hub TP4

 12 VA
40 BThU/hr
power

 0-40°C (32-105°F)
operating
temperature

 0-90%
(non-condensing)
humidity



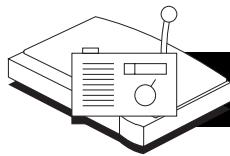
OfficeConnect Hub TP4Combo

Standards

Functional:	ISO 8802/3 IEEE 802.3
Safety:	UL 1950, EN 60950 CSA 22.2 #950
EMC:	EN 55022 Class B [†] EN 50082-1 FCC Part 15 Class B* [†] CSA C108.8 Class B [†] VCCI Class 2 [†]
Environmental:	EN 60068 (IEC 68)

[†]Shielded Category 5 cables must be used to ensure compliance with the Class B limits. The use of unshielded cable complies with the Class A limits.

*Refer to the "[EMC Statements](#)" section for conditions of operation.



EMC STATEMENTS

FCC STATEMENT: 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 the 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.
- Connection of this equipment requires the use of screened cables.

CSA STATEMENT: This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

VCCI STATEMENT:

この装置は、第二種情報処理装置(住宅地域又はその隣接した地域において使用されるべき情報処理装置)で住宅地域での電波障害防止を目的とした情報処理装置等電波障害自主規制協議会(VCCI)基準に適合しております。

しかし、本装置をラジオ、テレビジョン受信機に近接してご使用になると、受信障害の原因となることがあります。

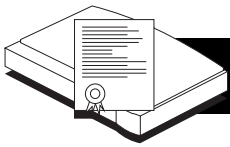
取扱説明書に従って正しい取り扱いをして下さい。

The user may find the following booklet prepared by the Federal Communications Commission helpful:

'How to Identify and Resolve Radio-TV Interference Problems'

This booklet is available from the U.S. Government Printing Office, Washington, DC 20402, Stock No. 004-000-00345-4.

In order to meet FCC emissions limits, this equipment must be used only with cables which comply with IEEE 802.3.



LIFETIME LIMITED WARRANTY

The duration of the warranty for the OfficeConnect Hub TP4 (3C16704) and TP4Combo (3C16703) is lifetime, including the power adapter.

Advance hardware exchange is available during the first year from your date of purchase in accordance with 3Com's standard terms and conditions for such service. After the first year, the warranty reverts to 3Com's standard lifetime limited warranty.

To qualify for the lifetime limited warranty and the advance hardware exchange, you must submit the appropriate product warranty registration card to 3Com, otherwise this product will be warranted for a period of one (1) year without advance hardware exchange.

HARDWARE: 3Com warrants its hardware products to be free from defects in workmanship and materials, under normal use and service, for the following lengths of time from the date of purchase from 3Com or its Authorized Reseller:

Network adapters	Lifetime
Other hardware products	One year (unless otherwise specified above)
Spare parts and spares kits	90 days

If a product does not operate as warranted above during the applicable warranty period, 3Com shall, at its option and expense, repair the defective product or part, deliver to Customer an equivalent product or part to replace the defective item, or refund to Customer the purchase price paid for the defective product. All products that are replaced will become the property of 3Com. Replacement products may be new or reconditioned. Any replaced or repaired product or part has a ninety (90) day warranty or the remainder of the initial warranty period, whichever is longer.

3Com shall not be responsible for any software, firmware, information, or memory data of Customer contained in, stored on, or integrated with any products returned to 3Com for repair, whether under warranty or not.

SOFTWARE: 3Com warrants that the software programs licensed from it will perform in substantial conformance to the program specifications therefor for a period of ninety (90) days from the date of purchase from 3Com or its Authorized Reseller. 3Com warrants the media containing software against failure during the warranty period. No updates are provided. 3Com's sole obligation with respect to this express warranty shall be (at 3Com's discretion) to refund the purchase price paid by Customer for any defective software products, or to replace any defective media with software which substantially conforms to 3Com's applicable published specifications. Customer assumes responsibility for the selection of the appropriate applications program and associated reference materials. 3Com makes no warranty or representation that its software products will work in combination with any hardware or applications software products provided by third parties, that the operation of the software products will be uninterrupted or error free, or that all defects in the software products will be corrected. For any third party products listed in the 3Com software product documentation or specifications as being compatible, 3Com will make reasonable efforts to provide compatibility, except where the non-compatibility is caused by a "bug" or defect in the third party's product.

STANDARD WARRANTY SERVICE: Standard warranty service for hardware products may be obtained by delivering the defective product, accompanied by a copy of the dated proof of purchase, to 3Com's Corporate Service Center or to an Authorized 3Com Service Center during the applicable warranty period. Standard warranty service for software products may be obtained by telephoning 3Com's Corporate Service Center or an Authorized 3Com Service Center, within the warranty period. Products returned to 3Com's Corporate Service Center must be pre-authorized by 3Com with a Return Material Authorization (RMA) number marked on the outside of the package, and sent prepaid, insured, and packaged appropriately for safe shipment. The repaired or replaced item will be shipped to Customer, at 3Com's expense, not later than thirty (30) days after receipt of the defective product by 3Com.

WARRANTIES EXCLUSIVE: IF A 3COM PRODUCT DOES NOT OPERATE AS WARRANTED ABOVE, CUSTOMER'S SOLE REMEDY FOR BREACH OF THAT WARRANTY SHALL BE REPAIR, REPLACEMENT, OR REFUND OF THE PURCHASE PRICE PAID, AT 3COM'S OPTION. TO THE FULL EXTENT ALLOWED BY LAW, THE FOREGOING WARRANTIES AND REMEDIES ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER WARRANTIES, TERMS, OR CONDITIONS, EXPRESS OR IMPLIED, EITHER IN FACT OR BY OPERATION OF LAW, STATUTORY OR OTHERWISE, INCLUDING WARRANTIES, TERMS, OR CONDITIONS OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND SATISFACTORY QUALITY. 3COM NEITHER ASSUMES NOR AUTHORIZES ANY OTHER PERSON TO ASSUME FOR IT ANY OTHER LIABILITY IN CONNECTION WITH THE SALE, INSTALLATION, MAINTENANCE OR USE OF ITS PRODUCTS.

3COM SHALL NOT BE LIABLE UNDER THIS WARRANTY IF ITS TESTING AND EXAMINATION DISCLOSE THAT THE ALLEGED DEFECT IN THE PRODUCT DOES NOT EXIST OR WAS CAUSED BY CUSTOMER'S OR ANY THIRD PERSON'S MISUSE, NEGLIGENCE, IMPROPER INSTALLATION OR TESTING, UNAUTHORIZED ATTEMPTS TO REPAIR OR MODIFY, OR ANY OTHER CAUSE BEYOND THE RANGE OF THE INTENDED USE, OR BY ACCIDENT, FIRE, LIGHTNING, OR OTHER HAZARD.

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Some countries, states, or provinces do not allow the exclusion or limitation of implied warranties or the limitation of incidental or consequential damages for certain products supplied to consumers or the limitation of liability for personal injury, so the above limitations and exclusions may be limited in their application to you. This warranty gives you specific legal rights which may vary depending on local law.

GOVERNING LAW: This Limited Warranty shall be governed by the laws of the state of California.

3Com Corporation, 5400 Bayfront Plaza, Santa Clara, CA, 95052-8145, U.S.A.
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