

**Electrical Safety**  
**IMPORTANT:** To see any safety information in this guide in multiple languages, refer to the "Translated Safety Information" heading at the statement number indicated by the icon.

**Elektrische Sicherheit**  
**WICHTIG:** Wenn Sie eine der Sicherheitswarnungen dieser Anleitung in mehrsprachiger Übersetzung lesen möchten, finden Sie sie unter der Überschrift "Übersetzte Sicherheitswarnungen" unter der Sicherheitswarnungsnummer, auf die mit dem Symbol verwiesen wird.

**Elektrisk sikkerhed**  
**VIGTIGT:** Sikkerhedsvejledninger i denne håndbog kan findes i flere sprog i afsnittet "Oversat sikkerhedsinformation" og er hver især angivet ved symbolet og et nummer.

**Elektrische veiligheid**  
**BELANGRIJK:** Om veiligheidsinformatie in deze gids in meerdere talen te zien, refereren aan de kop "Vertaalde veiligheidsinformatie" op de door het symbool aangegeven opmerking.

**Sécurité électrique**  
**IMPORTANT:** Pour consulter les avertissements en diverses langues dans ce guide, reportez-vous à la section « Traductions des avertissements de sécurité », qui figure au numéro de spécification signalé par l'icône.

**Sähköturvallisuus**  
**TÄRKEÄÄ:** Tässä oppaassa olevat monikieliset turvaohjeet löytyvät kohdasta "Käännetyt turvaohjeet", jossa on -kuvakkeella merkityt ilmoitukset.

**Sicurezza elettrica**  
**IMPORTANTE:** Per le informazioni sulla sicurezza in più lingue contenute in questa guida, consultare nella sezione "Informazioni di sicurezza tradotte" la dichiarazione il cui numero è indicato dall'icona.

**Elektrisk sikkerhet**  
**VIKTIG:** Du kan se all sikkerhetsinformasjonen i denne veiledningen på flere språk ved å slå opp på overskriften "Oversatt sikkerhetsinformasjon" under erklæringsnummeret angitt av symbolet.

**Segurança Eléctrica**  
**IMPORTANTE:** Para ver qualquer frase sobre segurança neste guia, em vários idiomas, consultar a secção intitulada "Informação de Segurança Traduzida", no número de frase indicado pelo ícone.

**Seguridad eléctrica**  
**IMPORTANTE:** Para ver cualquier información de seguridad en esta guía en múltiples idiomas, consulte el encabezamiento de la "Información de seguridad traducida" en el informe cuyo número indica el ícono.

**Elsäkerhet**  
**OBS!** För flerspråkiga säkerhetsvarningar i denna handledning hänvisas du till det uttalande som följer efter ikonen under rubriken "Översatta säkerhetsvarningar".

**STANDARDS:** This product meets the following safety standards.

**RADIATED ENERGY**  
**U.S. Federal Communications**  
 Note: This equipment has been tested and found to comply with the limits for a Class A digital device pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with this instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Note: Modifications or changes not expressly approved of by the manufacturer or the FCC, can void your right to operate this equipment.

**Industry Canada**  
 This Class A digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.  
 Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

RFI Emission EN55022 Class 1

Immunity EN50082-1

**Warning**  
 In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Electrical Safety TUV-EN60950, UL1950, CSA 950

**Laser** EN60825  
**Warning** Class 1 Laser product.  
**Warning** Do not stare into the Laser beam.  
 At time of installation the Fiber Optic Lasers comply with FDA Radiation Performance Standard 21CFR Subchapter J, applicable at date of manufacture.

**Verifying Package Contents**

Make sure that you have received the following items:

- AT-A10, AT-A11, AT-A20 or AT-A21 Media Dependent Adapter (MDA)
- Three Phillips flathead screws
- This Quick Install Guide
- Warranty Card

**Media Dependent Adapter Overview**

Media Dependent Adapters (see Figure 1) are optional uplink ports for connectivity to Fast Ethernet backbones. The four types of MDAs described in this quick install guide, the AT-A10 (RJ45), AT-A11 (Fiber SC), AT-A20 (MT-RJ) and AT-A21 (VF-45) can be installed in a variety of Allied Telesyn products.

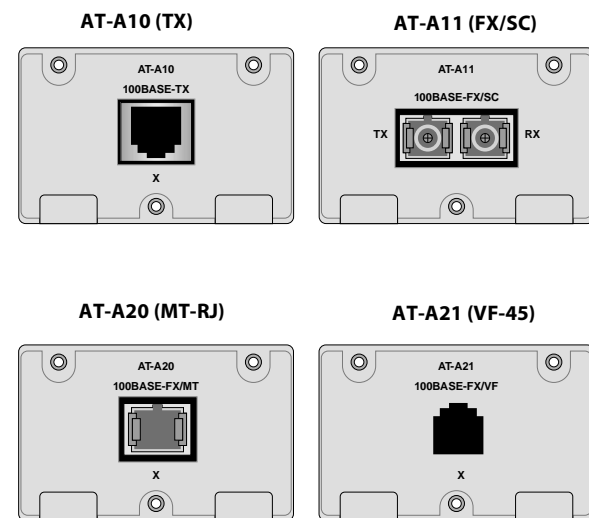


Figure 1 AT-A10, AT-A11, AT-A20 and AT-A21 Faceplates

Table 1 Media Dependent Adapter Features

Adapter	Supported Cable	Description
AT-A10	RJ45	10/100Base-TX RJ45 port Fast Ethernet Port: auto-negotiated speed and duplex mode 10/100Base-TX max. segment length: 330 feet (100 meters), Category 5 UTP or STP
AT-A11	Fiber SC	100Base-FX: multimode SC fiber connector Fast Ethernet transceiver 100Base-FX: max. segment length (full-duplex) 1.25 miles (2 km); (half-duplex) 412 meters, 50/125 and 62.5/125 micron multimode fiber
AT-A20	Fiber MT-RJ	100Base-FX: multimode MT-RJ fiber connector Fast Ethernet transceiver 100Base-FX: max. segment length (full-duplex) 1.25 miles (2 km); (half-duplex) 412 meters, 50/125 and 62.5/125 micron multimode fiber
AT-A21	Fiber VF-45	100Base-FX: multimode VF-45 fiber connector Fast Ethernet transceiver 100Base-FX: max. segment length (full-duplex) 1.25 miles (2 km); (half-duplex) 412 meters, 50/125 and 62.5/125 micron multimode fiber

For information on Allied Telesyn products to use with these MDAs, contact your Allied Telesyn representative.

**Installing Media Dependent Adapters**

To install an MDA, do the following:

1. Disconnect the switch's power cord.

**Caution**  
 The power cord is used as a disconnect device. To de-energize equipment, disconnect the power cord.

2. Unscrew the three Phillips flathead screws on the switch's blank faceplate and save for future use. Keep the blank panel attached if the MDA slot is empty.
3. Unpack the MDA making sure to observe ESD precautions.  
 The standoff on the MDA guides it correctly into position so that the MDA's 50-pin plug aligns with the 50-pin receptacle on the main board. See Figure 2 and Figure 3 when performing the next step.
4. Slide the MDA into its empty slot making sure that the standoff is aligned properly.

5. Push the MDA into position so that the front panel contacts the front of the switch's chassis.

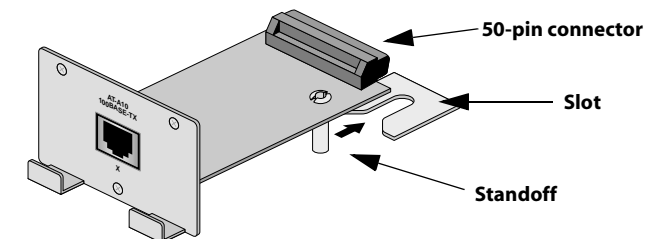


Figure 2 Guiding the MDA's Standoff Into Its Slot

**Warning**  
**LIGHTNING DANGER**  
**DANGER:** Do not work on equipment or CABLES during periods of LIGHTNING ACTIVITY.

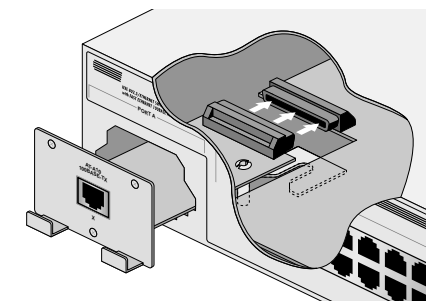


Figure 3 Connecting the 50-Pin Plug

6. Attach the MDA to the switch's front panel using the three Phillips flathead screws that came with the package.
7. Apply power by re-attaching the power cord to the unit and plugging it in the wall outlet. Verify that the POWER LED lights green.
8. Connect the data cable. Verify that the uplink's LEDs on the switch's front panel lights green. The LEDs light as follows:  
**Link/Receive** is solid green - there is a good physical link with the device.  
**Link/Receive** is flashing green - the port is receiving packets.  
**100M** is solid amber - the port is operating at 100 Mbps.

**Troubleshooting**

Refer to the Troubleshooting section of your switch Installation Guide, located at [www.alliedtelesyn.com](http://www.alliedtelesyn.com).

## Where To Find Allied Telesyn

Location	Phone/Fax
Americas U.S.A., Canada, Mexico, Central America, South America	1 (800) 428-4835 1 (503) 639-3976
Asia Singapore, Taiwan, Thailand, Malaysia, Indonesia, Korea, Philippines, China, India, Hong Kong	(+65) 3815-612 (+65) 3833-830
Australia Australia, New Zealand	1 (800) 000-880 (+61) 2-9438-4966
France France, Belgium, Luxembourg, The Netherlands, Middle East, Africa	(+33) 1-60-92-15-25 (+33) 1-69-28-37-49
Germany Germany, Switzerland, Austria, Eastern Europe	(+49) 30-435-900-126 (+49) 30-435-70-650
Italy Italy, Spain, Portugal, Greece, Turkey, Israel	(+39) 02-416047 (+39) 02-419282
Japan	(+81) 3-3443-5640 (+81) 3-3443-2443
United Kingdom United Kingdom, Denmark, Norway, Sweden, Finland, Iceland	(+44) 1-235-442560 (+44) 1-235-442680
Technical Support E-mail Address	TS1@alliedtelesyn.com
Internet, World Wide Web and FTP site	http://www.alliedtelesyn.com

## Where To Find Technical Publications

Visit our technical publications website at: [www.alliedtelesyn.com](http://www.alliedtelesyn.com).

## Translated Safety Information

1	NORMEN: Dieses Produkt erfüllt die Anforderungen der nachfolgenden Sicherheitsnormen. Hochfrequenzstörung	EN55022 Klasse A
2	Störsicherheit	EN50082-1
3	WARNUNG: Bei Verwendung zu Hause kann dieses Produkt Funkstörungen hervorrufen. In diesem Fall müßte der Anwender angemessene Gegenmaßnahmen ergreifen.	
4	Elektrische Sicherheit	TUV-EN60950, UL1950, CSA 950
5	Laser	EN60825
6	WARNUNG Laserprodukt der Klasse 1.	
7	WARNUNG Nicht direkt in den Strahl blicken.	
8	GEFAHR DURCH BLITZSCHLAG GEFAHR: Keine Arbeiten am Gerät oder an den Kabeln während eines Gewitters ausführen.	
9	VORSICHT: DAS NETZKABEL DIENT ZUM TRENNEN DER STROMVERSORGUNG. ZUR TRENNUNG VOM NETZ, KABEL AUS DER STECKDOSE ZIEHEN.	
STANDARDER: Dette produkt opfylder følgende sikkerhedsstandarder.		
1	Radiofrekvens forstyrrelsesemission	EN55022 Klasse A
2	Immunitet	EN50082-1
3	ADVARSEL: I et hjemligt miljø kunne dette produkt forårsage radio forstyrrelse. Bliver det tilfældet, påkræves brugeren muligvis at tage tilstrækkelige foranstaltninger.	
4	Elektrisk sikkerhed	TUV-EN60950, UL1950, CSA 950
5	Laser	EN60825
6	ADVARSEL Laserprodukt av klasse 1.	
7	ADVARSEL Stirr ikke på strålen.	
8	FARE UNDER UVEJR FARE: UNDLAD at arbejde på udstyr eller KABLER i perioder med LYNAKTIVITET.	
9	ADVARSEL: DEN STROMFØRENDE LEDNING BRUGES TIL AT AFBRYDE STRØMMEN. SKAL STRØMMEN TIL APPARATET AFBRYDES, tages ledningen ud af stikket.	
NORMEN: Dit product voldoet aan de volgende veiligheidsnormen.		
1	RFI Emissie	EN55022 Klasse A

2	Immunitet	EN50082-1
3	WAARSCHUWING: Binnenshuis kan dit product radiostoring veroorzaken, in welk geval de gebruiker verplicht kan worden om gepaste maatregelen te nemen.	
4	Electricche Veiligheid	TUV-EN60950, UL1950, CSA 950
5	Laser	EN60825
6	WAARSCHUWING Klasse-1 laser produkt.	
7	WAARSCHUWING: Niet in de straal staren.	
8	GEVAAR VOOR BLIKSEMINSLAG GEVAAR: NIET aan toestellen of KABELS WERKEN bij BLIKSEM.	
9	WAARSCHUWING: HET TOESTEL WORDT UITGESCHAKELD DOOR DE STROOMKABEL TE ONTKOPPELEN. OM HET TOESTEL STROOMLOOS TE MAKEN: de stroomkabel ontkoppelen.	
NORMES: ce produit est conforme aux normes de sécurité suivantes :		
1	Emission d'interférences radioélectriques	EN55022 Classe A
2	Immunité	EN50082-1
3	MISE EN GARDE: dans un environnement domestique, ce produit peut provoquer des interférences radioélectriques. Auquel cas, l'utilisateur devra prendre les mesures adéquates.	
4	Sécurité électrique	TUV-EN60950, UL1950, CSA 950
5	Laser	EN60825
6	ATTENTION Produit laser de classe 1.	
7	ATTENTION Ne pas fixer le faisceau des yeux.	
8	DANGER DE Foudre DANGER: NE PAS MANIER le matériel ou les CÂBLES lors d'activité orageuse.	
9	ATTENTION: LE CORDON D'ALIMENTATION SERT DE MISE HORS CIRCUIT. POUR COUPER L'ALIMENTATION DU MATÉRIEL, débrancher le cordon.	
NORMIT: Tämä tuote on seuraavien turvallisuusnormien mukainen.		
1	Radioaltojen häiritä	EN55022 Luokka A
2	Kestävyys	EN50082-1
3	VAROITUS: Kotiloosuhteissa tämä laite voi aiheuttaa radioaaltojen häiriötä, missä tapauksessa laitteen käyttäjän on mahdollisesti ryhdyttävä tarpeellisiin toimenpiteisiin.	
4	Sähköturvallisuus	TUV-EN60950, UL1950, CSA 950
5	Laser	EN60825
6	VAROITUS Luokan 1 Lasertuote.	
7	VARIOTUS Älä katso säteeseen.	
8	SALAMANISKUVAARA HENGENVAAARA: ÄLÄ TYÖSKENTELE laitteiden tai KAAPELIDEN KANSSA SALAMOINNIN AIKANA.	
9	HUOMAUTUS: VIRTALOHTOA KÄYTETÄÄN VIRRANKATKAISULAITTEENA. VIRTA KATKAISTAAN irrottamalla virtajohto.	
STANDARD: questo prodotto soddisfa i seguenti standard di sicurezza.		
1	Emissione RFI (interferenza di radiofrequenza)	EN55022 Classe A
2	Immunit	EN50082-1
3	AVVERTENZA : in ambiente domestico questo prodotto potrebbe causare radio interferenza. In questo caso potrebbe richiedersi all'utente di prendere gli adeguati provvedimenti.	
4	Sicurezza elettrica	TUV-EN60950, UL1950, CSA 950
5	Laser	EN60825
6	AVVERTENZA Prodotto laser di Classe 1.	
7	AVERTENZA Non fissare il raggio con gli occhi.	
8	PERICOLO DI FULMINI PERICOLO: NON LAVORARE sul dispositivo o sui CAVI durante PRECIPITAZIONI TEMPORALESCHÉ.	
9	ATTENZIONE: IL CAVO DI ALIMENTAZIONE È USATO COME DISPOSITIVO DI DISATTIVAZIONE. PER TOGLIERE LA CORRENTE AL DISPOSITIVO staccare il cavo di alimentazione.	
SIKKERHETSKRAV: Dette produktet oppfyller følgende sikkerhetskrav:		
1	RFI stråling	EN55022 Klasse A
2	Immunitet	EN50082-1
3	ADVARSEL: Hvis dette produktet benyttes til privat bruk, kan produktet forårsake radioforstyrrelse. Hvis dette skjer, må brukeren ta de nødvendige forholdsregler.	
4	Elektrisk sikkerhet	TUV-EN60950, UL1950, CSA 950
5	Laser	EN60825
6	ADVARSEL Laserprodukt av klasse 1.	
7	ADVARSEL Stirr ikke på strålen.	
8	FARE FOR LYNNEDSLAG FARE: ARBEID IKKE på utstyr eller KABLER i TORDENVÆR.	
9	FORSIKTIG: STRØMLEDNINGEN BRUKES TIL Å FRAKOBLE UTSTYRET. FOR Å DEAKTIVISERE UTSTYRET, må strømforsyningen kobles fra.	
PADRÕES: Este produto satisfaz os seguintes padrões de segurança:		
1	Emissão de interferência de radiofrequência	EN55022 Classe A
2	Imunidade	EN50082-1
3	AVISO: Num ambiente doméstico este produto pode causar interferência na radiorrecepção e, neste caso, pode ser necessário que o utente tome as medidas adequadas.	
4	Segurança Eléctrica	TUV-EN60950, UL1950, CSA 950
5	Laser	EN60825
6	AVISO Produto laser de classe 1	
7	AVISO Não olhe fixamente para o raio.	
8	PERIGO DE CHOQUE CAUSADO POR RAIO PERIGO: NÃO TRABALHE no equipamento ou nos CABOS durante períodos suscetíveis a	

9	QUEDAS DE RAIO. CUIDADO: O CABO DE ALIMENTAÇÃO É UTILIZADO COMO UM DISPOSITIVO DE DESCONEXÃO. PARA DESELETRIFICAR O EQUIPAMENTO, desconecte o cabo de ALIMENTAÇÃO.	
NORMAS: este producto cumple con las siguientes normas de seguridad.		
1	Emission RFI	EN55022 Classe A
2	Immunitad	EN50082-1
3	ADVERTENCIA: en un entorno doméstico, este producto puede causar radiointerferencias, en cuyo caso, puede requerirse del usuario que tome las medidas que sean convenientes al respecto.	
4	Seguridad eléctrica	TUV-EN60950, UL1950, CSA 950
5	Laser	EN60825
6	¡ADVERTENCIA! Producto láser Clase 1.	
7	¡ADVERTENCIA! No mirat fijamente el haz.	
8	PELIGRO DE RAYOS PELIGRO: NO REALICE NINGUN TIPO DE TRABAJO O CONEXION en los equipos o en LOS CABLES durante TORMENTAS ELECTRICAS.	
9	ATENCION: EL CABLE DE ALIMENTACION SE USA COMO UN DISPOSITIVO DE DESCONEXION. PARA DESACTIVAR EL EQUIPO, desconecte el cable de alimentación.	
NORMER: Denna produkt uppfyller följande säkerhetsnormer.		
1	Radiostörning	EN55022 Klass A
2	Immunitet	EN50082-1
3	VARNING: Denna produkt kan ge upphov till radiostörningar i hemmet, vilket kan tvinga användaren till att vidtaga erforderliga åtgärder.	
4	Elsäkerhet	TUV-EN60950, UL1950, CSA 950
5	Laser	EN60825
6	VARNING! Laserprodukt av klass 1.	
7	VARNING! Laserstrålning när enheten är öppen.	
8	FARA FOR BLIXTNEDSLAG FARA: ARBETA EJ på utrustningen eller kablarna vid ÅSKVÄDER.	
9	VARNING: NÄTKABELN ANVÄNDS SOM STRÖMBRYTARE FÖR ATT KOPPLA FRÅN STRÖMMEN, dra ur nätkabeln.	

# Media Dependent Adapters

AT-A10  
AT-A11  
AT-A20  
AT-A21



## Quick Install Guide

Copyright © 1998-1999 Allied Telesyn International, Corp.  
960 Stewart Drive Suite B, Sunnyvale, CA 94086

All rights reserved. No part of this publication may be reproduced without prior written permission from Allied Telesyn International, Corp.

CentreCOM is a registered trademark of Allied Telesyn International, Corp.

Ethernet is a registered trademark of Xerox Corporation. All other product names, company names, logos or other designations mentioned herein are trademarks or registered trademarks of their respective owners.

Allied Telesyn International, Corp. reserves the right to make changes in specifications and other information contained in this document without prior written notice. The information provided herein is subject to change without notice. In no event shall Allied Telesyn International, Corp. be liable for any incidental, special, indirect, or consequential damages whatsoever, including but not limited to lost profits, arising out of or related to this manual or the information contained herein, even if Allied Telesyn International, Corp. has been advised of, known, or should have known, the possibility of such damages.

 Allied Telesyn  
Simply Connecting the World