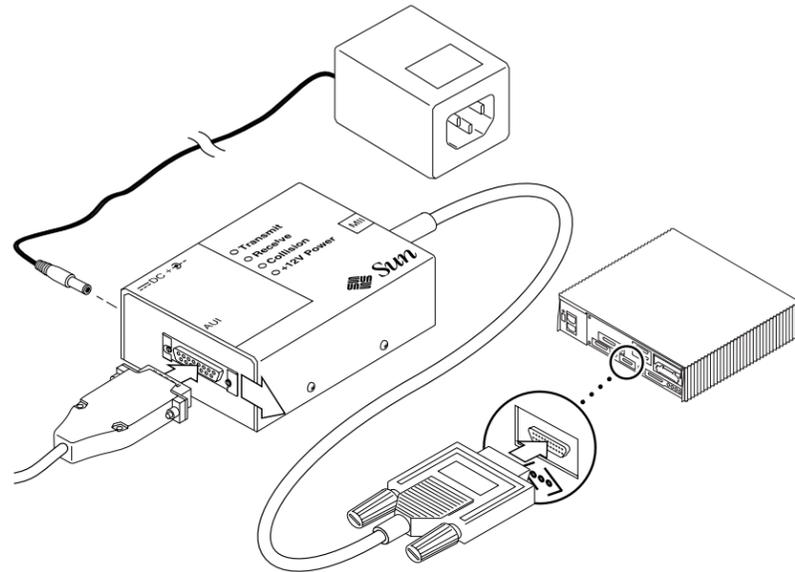


Connecting the Converter



1. Attach the 40-pin connector to the MII connector on the back of your system.
2. Attach the network AUI cable to the AUI connector on the MII-AUI converter.
3. When viewed from the top, slide the latch to the right to lock the AUI cable to the MII-AUI converter connector.
4. Attach the external power supply cable to the connector on the MII-AUI converter when both of the following circumstances are true:
 - If your workstation or server cannot provide sufficient 5 Volt DC power to the converter. (See Internal Power Supply in the Hardware Characteristics table.)
 - If the AUI device to which you are connecting uses more than 4 Watts.

Hardware Characteristics

MII-AUI Converter	
Size	7.6 cm x 10.2 cm x 2.5 cm
Weight	300 grams, including cable
MII Port	Complies with IEEE Standard 802.3u, Section 22 40 pin male .050 in. D connector with 2-56 jackscrews and integral 19 in. cable.
Power Consumption	200 mA + external transceiver load (see AUI Port) Some systems can supply more than the minimum required current of .75 A to the MII connector. Check the power capability of the MII port on your system to ensure it supplies the current required by your AUI device.
AUI Port	Complies with IEEE Standard 802.3, Section 7 15 pin female D connector with slidelock
Power	Provides +12 volt power at 0-.5 amps. The external power supply is required when the current requirements of the AUI port are greater than .2 amps. Use with a Listed Class 2 power supply.
Internal Power Supply	The device's internal power supply converts the 5 Volt DC from your system's MII to 12 Volt DC required by AUI devices. The external power supply is required if your workstation or server cannot provide sufficient 5 Volt DC.
Typical Operating Current	AUI Current @ 12 V MII Current @ 4.75 V 0.0 A 0.2 A 0.25 A 1.0 A 0.5 A 1.8 A
Regulatory Approvals	UL/CSA/TUV/VCCI 2/FCC Class A/CE A
External Power Supply	
Power Jack	2.1 mm x 5.5 mm x 12 m Output plug center positive
External Power Supply: Universal	Input: 100-240V AC/50-60Hz with embedded male IEC 320 socket Output: 12V DC REG 500 mA
Classification	Double-insulated Class 2 power supply
Regulatory Approvals	UL/CSA/TUV/FCC Class A/CE A
Japan Only	
External Power Supply	Input: 91-110 V AC, 50-60Hz with embedded dual prong flat connectors Output: 12V DC REG 500 mA
Regulatory Approvals	T-mark

Top Panel LEDs

- The Transmit LED lights when the system to which the MII-AUI converter is connected is transmitting.
- The Receive LED lights when a signal is received from the AUI network port.
- The Collision LED lights when a collision is received from the AUI network port.
- The +12V Power LED lights when there is greater than 11.3 volts of power at the AUI.

MII Cable Pinouts

Pin	Signal	Pin	Signal	Pin	Signal	Pin	Signal
1	+5V	11	TX_ER	21	+5V	31	COMMON
2	MDIO	12	TX_CLK	22	COMMON	32	COMMON
3	MDC	13	TX_EN	23	COMMON	33	COMMON
4	RXD<3>	14	TXD<0>	24	COMMON	34	COMMON
5	RXD<2>	15	TXD<1>	25	COMMON	35	COMMON
6	RXD<1>	16	TXD<2>	26	COMMON	36	COMMON
7	RXD<0>	17	TXD<3>	27	COMMON	37	COMMON
8	RX_DV	18	COL	28	COMMON	38	COMMON
9	RX_CLK	19	CRS	29	COMMON	39	COMMON
10	RX_ER	20	+5V	30	COMMON	40	+5V

AUI Connector Pinouts

Pin	Signal	Pin	Signal
1	GND	9	COLLISION-
2	COLLISION+	10	TRANSMIT-
3	TRANSMIT+	11	GND
4	GND	12	RECEIVE-
5	RECEIVE+	13	+12V
6	GND (VOLTAGE-)	14	GND
7	N/C	15	N/C
8	GND		

Reader Comments

Your comments and suggestions are important to us. Please let us know what you think about the *MII-AUI Converter* document, part number 802-5358-13.

You can send detailed comments via email to smcc-docs@sun.com, or send a fax to *SMCC Doc Feedback* at (650) 786-6443.

FCC Class A Notice — United States

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.
2. This device must accept any interference received, including interference that may cause undesired operation.

Note - This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the 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 the 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.

Shielded Cables

Connections between the workstation and peripherals must be made using shielded cables in order to maintain compliance with FCC radio frequency emission limits.

Modifications

Modifications to this device, not approved by Sun Microsystems, Inc., may void the authority granted to the user by the FCC to operate this equipment.

Canadian Class A Notice -

Avis Du Ministère des Communications, Classe A

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.

第二種VCCIの商標  のない製品には、下記に示す第一種VCCI基準に関するお知らせが該当します。第二種VCCIの商標  がついた製品には、下記に示す第二種VCCI基準に関するお知らせが該当します。

第一種VCCI基準に関するお知らせ

この装置は、第一種情報装置(商工業地域において使用されるべき情報装置)で商工業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。

この装置は、第一種または第二種ワークステーションのオプションです。本装置を使用する場合、システムとしての適合レベルは下記の通りです。

第一種ワークステーション：第一種情報装置

第二種ワークステーション：第一種情報装置

本装置を使用する第二種ワークステーションは、第一種情報装置(商工業地域において使用されるべき情報装置)となります。

従って、住宅地域またはその隣接した地域で使用すると、ラジオ、テレビジョン受信機等に受信障害を与えることがあります。

取扱説明書に従って正しい取り扱いをして下さい。

© 1997 Sun Microsystems, Inc. All rights reserved. Sun, Sun Microsystems, the Sun Logo, SunSoft, and Solaris are trademarks or registered trademarks of Sun Microsystems, Inc. in the United States and in other countries.

© 1997 Sun Microsystems, Inc. Tous droits réservés. Sun, Sun Microsystems, le logo Sun, SunSoft, et Solaris sont des marques déposées ou enregistrées de Sun Microsystems, Inc. aux Etats-Unis et dans d'autres pays.

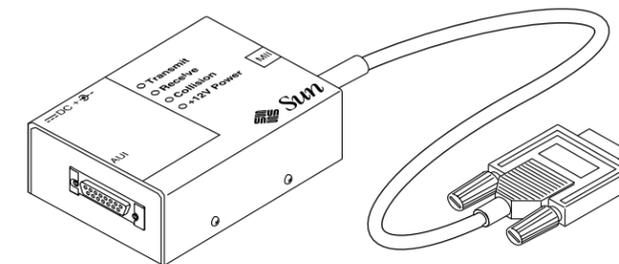
 Recycled Paper



Part Number: 802-5358-13
Revision A of November 1997



MII-AUI Converter



About the MII-AUI Converter

The MII-AUI Converter allows the use of an existing AUI (Attachment Unit Interface) network connection with a system that uses an MII (Media Independent Interface) for its network connection. The converter is compatible with Sun™ Ultra™ platforms and SunFastEthernet™ adapters with an available MII port.

