

# Hardware Installation for Centrex Switch Integration with the 202T Modem



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## Overview

This chapter provides information on the hardware connections required to integrate any Avaya™ Intuity AUDIX LX system with a Centrex switch using a 202T modem.

This chapter describes:

- The 202T modem

## Distance Requirements

A Centrex switch integration requires installation of a 202T modem only if the distance between the Intuity AUDIX system and the switch is greater than 15.3 m (50 ft), per RS-232 standard. If the distance is 15.3 m (50 ft) or less.

## Hardware

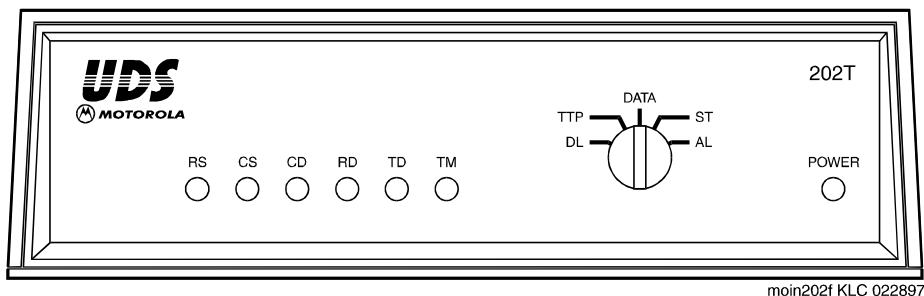
Two versions of the 202T modem are in use:

- Motorola 202T modem
- AT&T 202T Dataphone modem

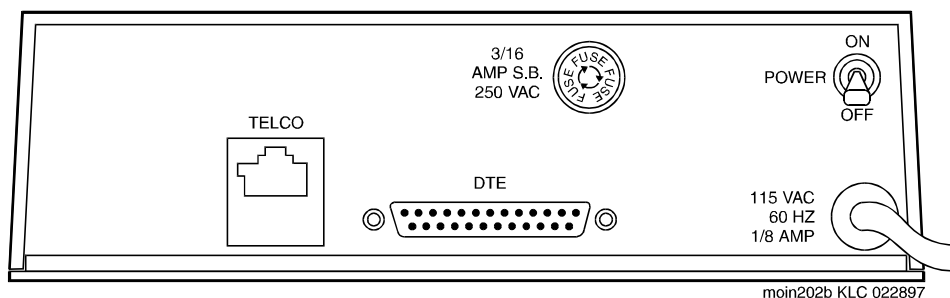
Refer to the following drawings of the 202T modem when installing the switch integration hardware.

### Motorola 202T Modem

[Figure 7-1](#) shows the front and [Figure 7-2](#) shows the back of the Motorola 202T modem.



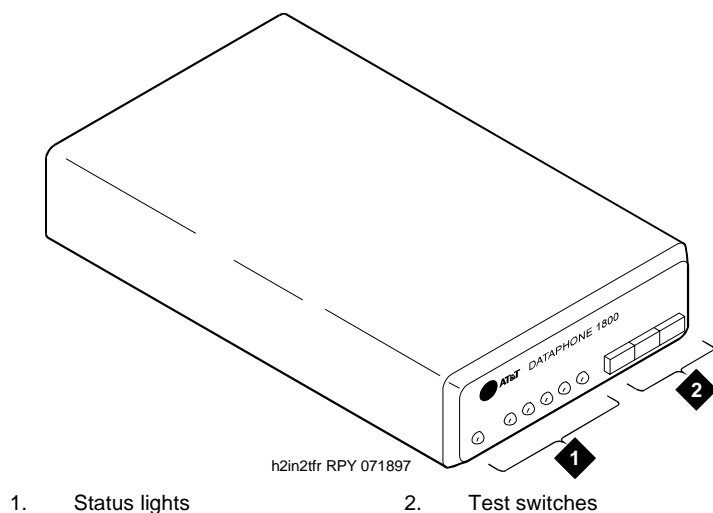
**Figure 7-1. Motorola 202T Modem (Front View)**



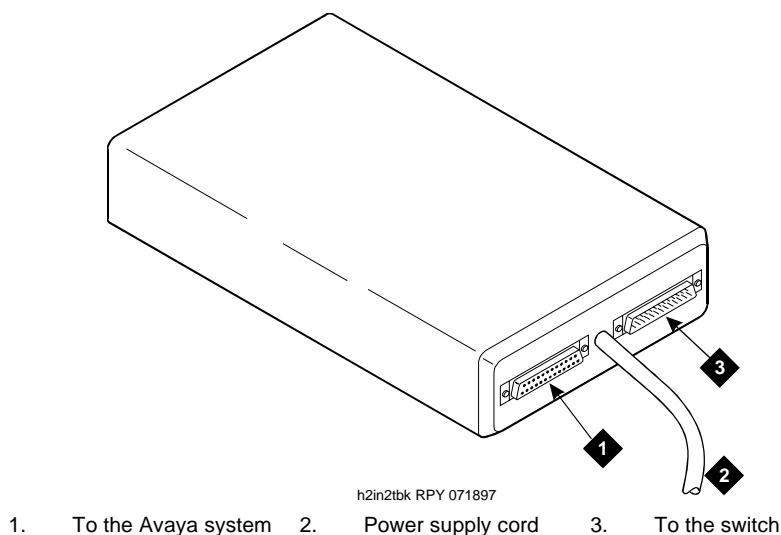
**Figure 7-2. Motorola 202T Modem (Back View)**

### AT&T 202T Dataphone

[Figure 7-3](#) shows the front and [Figure 7-4](#) shows the back of the AT&T 202T Dataphone modem.



**Figure 7-3. AT&T 202T Dataphone Modem (Front View)**



**Figure 7-4. AT&T Dataphone 202T Modem (Back View)**

## Installing the Hardware

### ⇒ NOTE:

Before installing the integration hardware, set the switch options on the 202T modem. See [Chapter 6, Setting the 202T Modem](#).

1. Attach one end of the 4.3-m (14-ft) modular 6-wire cable into the connector being used on the card on the Intuity AUDIX system.

### ⇒ NOTE:

The port used must correspond with the port indicated in the `Serial Ports` field on the Serial Interface page. For more information about this page, see [Setting the Serial Interface Parameters](#) in [Chapter 8, Intuity AUDIX LX Administration for Centrex Switch Integration](#).

2. Attach the other end of the 4.3-m (14-ft) modular cable into the RS-232 6-25 pin DTE adapter.
3. Attach the RS-232 adapter into the female connector in the back of the 202T modem.
4. Plug the power supply cord for the 202T modem into an AC electrical outlet.
5. Determine your next step. If you are connecting to:
  - An AT&T Dataphone 202T modem, complete the following Steps a through c:

- a. Attach one end of the M8K (or M13F) cable connector to the male RS-232 connector in the back of the AT&T Dataphone 202T modem.
- b. Attach the other end of the M8K (or M13F) adapter to the bottom of the 829 channel interface unit at the demarcation point.



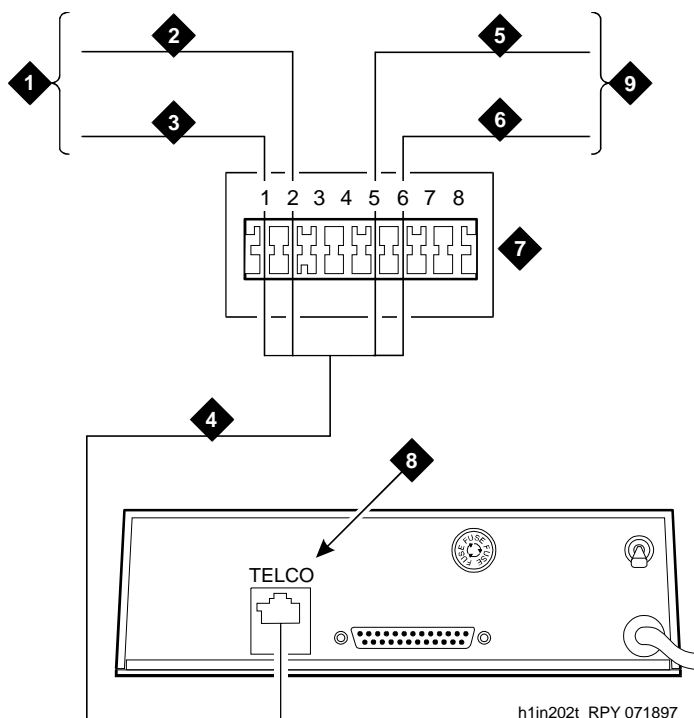
**NOTE:**

For information about possible connections from the 202T modem to the switch, see *User's Manual 202T Modem* (999-102-1421S).

- A Motorola 202T modem, continue with "Connecting the Motorola 202T Modem Telco Port," below. Do *not* use the M8K (or M13F) cable connector.

## Connecting the Motorola 202T Modem Telco Port

Use [Figure 7-5](#) to connect the Motorola 202T modem telco port.



- |                                      |  |
|--------------------------------------|--|
| 1. Transmit pair to service provider | 6. GN/W (green-white) of 4-pair wire             |
| 2. BL/W (blue-white) of 4-pair wire  | 7. 103A or 104A connecting block (or equivalent) |
| 3. W/BL (white-blue) of 4-pair wire  | 8. RJ-45 telco connector on rear of modem        |
| 4. D8W modular connector             | 9. Receive pair from service provider            |
| 5. W/GN (white-green) of 4-pair wire |  |

**Figure 7-5. Connection Diagram for the Motorola 202T Modem Telco Port**

## **Cabling the Voice Ports**

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For information about cabling the voice ports from the Avaya INTUITY system, see Chapter 3, "Making Cable Connections," in the system installation for your platform.

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*Cabling the Voice Ports*