

Mitel 9110-104-000

Mitel 9110-104-000 Circuit Card User Manual

Model: 9110-104-000

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of the Mitel 9110-104-000 Circuit Card. This card functions as a scanner card within the Mitel SX-200 PBX system, designed to monitor analog peripheral slots and detect signals requiring processor action. It also integrates control for night bell relays, paging functions, a 2-digit display, and a master reset button for the system.

SETUP AND INSTALLATION

The Mitel 9110-104-000 Circuit Card is an internal component of the Mitel SX-200 PBX system. Installation should only be performed by qualified personnel.

Safety Precautions:

- Always power off and unplug the Mitel SX-200 PBX system before opening the chassis or installing any internal components.
- Wear an anti-static wrist strap to prevent electrostatic discharge (ESD) damage to the circuit card and other system components.
- Handle the circuit card by its edges to avoid touching components or connectors.

Installation Steps:

1. Ensure the PBX system is powered off and disconnected from all power sources.
2. Carefully open the chassis of the Mitel SX-200 PBX system according to its specific service manual.
3. Locate an available and compatible peripheral slot for the 9110-104-000 Circuit Card. Refer to your SX-200 system documentation for slot assignments.
4. Align the edge connector of the 9110-104-000 Circuit Card with the chosen slot.
5. Gently but firmly press the card into the slot until it is fully seated. Ensure any retaining clips or screws are secured.
6. Close the PBX chassis and reconnect all power and network cables.
7. Power on the Mitel SX-200 PBX system.

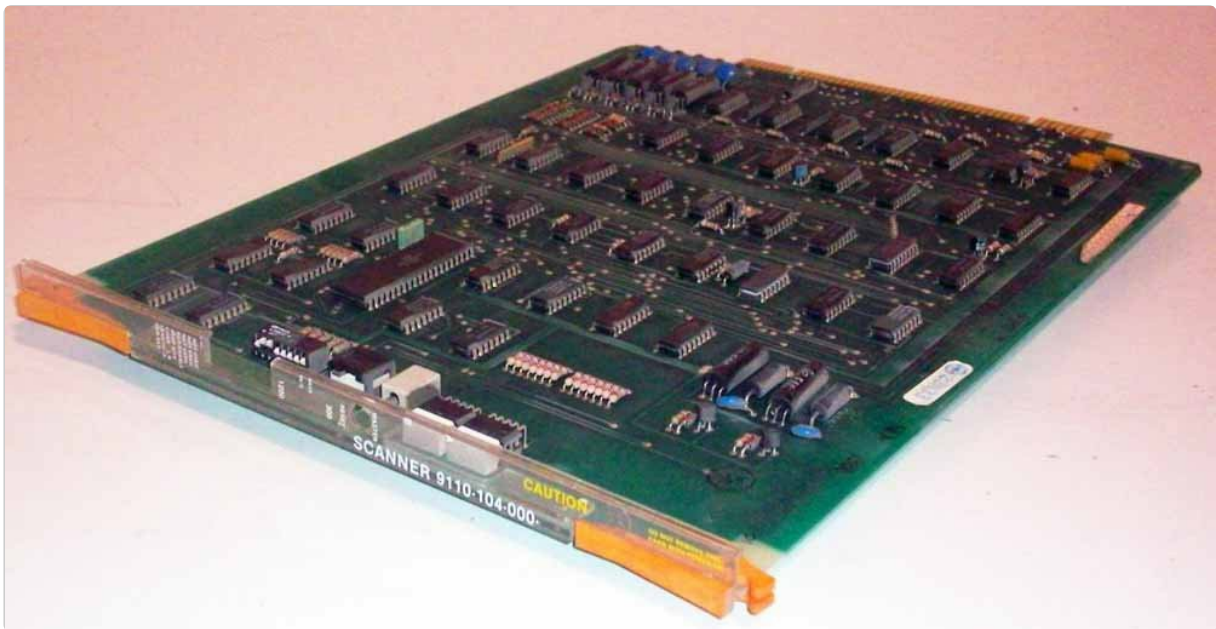


Figure 1: Mitel 9110-104-000 Circuit Card. This image displays the Mitel 9110-104-000 Circuit Card, a green printed circuit board populated with numerous integrated circuits, resistors, capacitors, and a gold-plated edge connector for insertion into a compatible slot.

OPERATION

The Mitel 9110-104-000 Circuit Card operates as an integral part of the Mitel SX-200 PBX system. Its primary function is to continuously scan all analog peripheral ports to detect signals that require processing by the main system. This operation is largely automatic and transparent to the end-user.

Key Functions Enabled:

- **Analog Peripheral Scanning:** The card sequentially monitors all connected analog peripheral slots, identifying and relaying signal changes to the PBX processor.
- **Night Bell Relays:** Controls the activation of night bell functions within the system.
- **Paging Control Relays:** Manages the control signals for the system's paging capabilities.
- **2-Digit Display:** Facilitates the operation of a 2-digit display, likely for status or extension information.
- **Master Reset Button:** The card contains the master reset button for the entire SX-200 system. This button is typically used for system-level resets and should be pressed only when instructed by a service technician or official documentation.

No direct user interaction with the card is typically required during normal operation. All functions are managed through the Mitel SX-200 PBX system's administrative interface or connected peripherals.

MAINTENANCE

The Mitel 9110-104-000 Circuit Card is designed for reliable, long-term operation and generally requires minimal maintenance. It contains no user-serviceable parts.

General Guidelines:

- **Environmental Control:** Ensure the Mitel SX-200 PBX system operates within recommended temperature and humidity ranges to prevent component degradation.
- **Dust Accumulation:** Periodically inspect the interior of the PBX chassis for dust buildup. If necessary, carefully clean with compressed air, ensuring the system is powered off and unplugged. Avoid direct contact with circuit board components.
- **Connection Integrity:** During any system maintenance, visually inspect the card's connection to its slot to

ensure it remains firmly seated.

For detailed maintenance procedures related to the overall Mitel SX-200 PBX system, refer to the official Mitel documentation for the PBX unit.

TROUBLESHOOTING

If you experience issues with functions related to the Mitel 9110-104-000 Circuit Card, consider the following troubleshooting steps. Always ensure the PBX system is powered off and unplugged before performing any internal inspections.

Common Issues and Solutions:

- **Card Not Recognized / Functions Not Working:**
 - Verify the card is correctly seated in its slot. Power off the system, open the chassis, and re-seat the card firmly.
 - Ensure the slot is compatible and functional. Try installing the card in a different known-good slot if available.
 - Check for any visible damage to the card or the slot connector.
- **Night Bell or Paging Issues:**
 - Confirm that the night bell or paging features are correctly configured within the Mitel SX-200 PBX system software.
 - Verify that external devices (bells, speakers) connected to these functions are operational and correctly wired.
- **System Instability / Unexpected Behavior:**
 - If the system is experiencing general instability, a master reset might be necessary. Consult the Mitel SX-200 PBX system manual or a qualified technician before performing a master reset, as this can affect system configuration.
 - Ensure the PBX system's power supply is stable and adequate.

If troubleshooting steps do not resolve the issue, contact Mitel technical support or a certified service technician for further assistance.

SPECIFICATIONS

Model Number:	9110-104-000
Product Type:	Circuit Card (Scanner Card)
Compatibility:	Mitel SX-200 PBX System
Primary Function:	Scans analog peripheral slots to detect signals requiring processor action.
Integrated Features:	Night bell relays, paging control relays, 2-digit display, master reset button.
Manufacturer:	Mitel

WARRANTY AND SUPPORT

For information regarding the warranty period and terms for your Mitel 9110-104-000 Circuit Card, please refer to the original purchase documentation or contact your authorized Mitel reseller. Mitel's official website also provides resources for product support and contact information for technical assistance.

When contacting support, please have your product model number (9110-104-000) and any relevant system information readily available.