SIMPLEX S40109818

Instruction Manual

SIMPLEX 4010-9818 Wired Network Media Card

Model: S40109818

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of the SIMPLEX 4010-9818 Wired Network Media Card. Please read these instructions thoroughly before proceeding with any installation or handling procedures to ensure safe and correct usage.
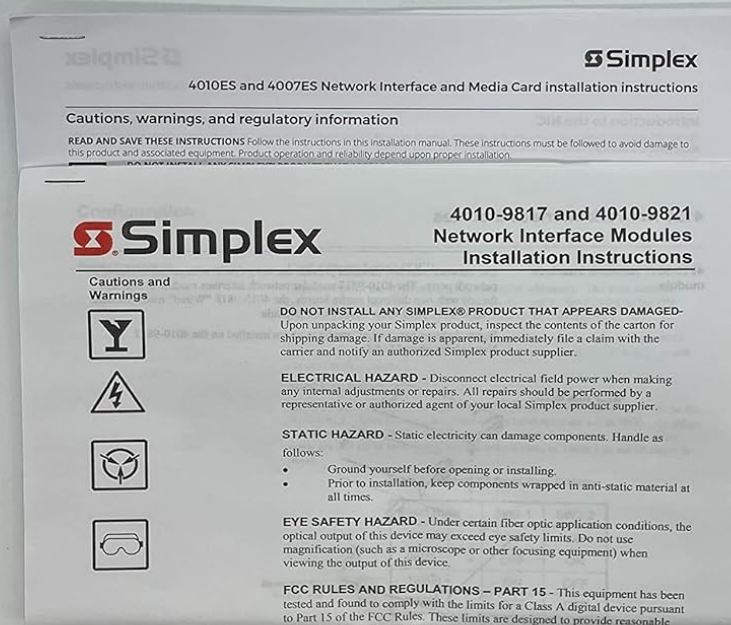
Figure 1: SIMPLEX 4010-9818 Wired Network Media Card as packaged, including the anti-static bag, ferrite bead kit, and the installation instruction sheet.

SAFETY INFORMATION

READ AND SAVE THESE INSTRUCTIONS.

This section outlines critical safety precautions and regulatory information. Adherence to these guidelines is mandatory to prevent damage to the product, ensure personal safety, and maintain compliance.

- **Product Integrity:** Do not install any SIMPLEX product that appears damaged. If damage is apparent, immediately file a claim with the shipping carrier and notify your local SIMPLEX product supplier.

- **Electrical Hazard:** Disconnect electrical field power when making adjustments or repairs to avoid electric shock. Only qualified personnel should perform these tasks.
- **Static Hazard:** Static electricity can damage sensitive electronic components. Handle the product as follows:
    - Ground yourself before opening or installing the product.
    - Keep the product in its static-shielded bag until it is ready for installation.

Figure 2: The product is enclosed in a static-shielded bag, indicated by the "ATTENTION Static Sensitive" label. Handle with care to prevent electrostatic discharge damage.

- **Eye Safety Hazard:** Under certain fiber optic application conditions, the optical output of this device may exceed eye safety limits. Do not use magnifying optical devices (e.g., microscopes or other viewing equipment) when viewing the output of this device.
- **FCC Rules and Regulations - Part 15:** 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.

SETUP AND INSTALLATION

The SIMPLEX 4010-9818 Wired Network Media Card is designed for internal installation within compatible systems. Follow these steps carefully for proper setup.

1. Unpacking and Inspection

Carefully remove the network media card from its packaging. Inspect the card for any visible signs of damage. Ensure all components, including the ferrite bead installation kit, are present.

Figure 3: The product is typically shipped in a protective cardboard box, labeled with the product description "WIRED NETWORK MEDIA CARD" and part number 0742100.

Figure 4: The ferrite bead installation kit, part number 9006-073 REV L, is included for proper electromagnetic interference suppression.

2. Preparation for Installation

1. Ensure the host system (Desktop or Laptop) is powered off and disconnected from all power sources.

2. Open the computer case to access the internal component slots.

3. As per safety guidelines, ground yourself to dissipate any static electricity before handling the card.

3. Card Installation

1. Carefully remove the SIMPLEX 4010-9818 card from its static-shielded bag.

2. Align the card with an available compatible internal slot (e.g., PCI, PCIe, depending on the card's interface).

3. Gently but firmly press the card into the slot until it is fully seated. Do not force the card.

4. Secure the card with any retaining clips or screws provided by your computer case.

Figure 5: The reverse side of the anti-static bag confirms the product as a "WIRED MEDIA MODULE," model number 4010-9818.

4. Ferrite Bead Installation (if applicable)

Refer to the specific instructions provided with the ferrite bead kit for proper installation. Ferrite beads are typically installed on cables to reduce electromagnetic interference.

Figure 6: A small plastic bag containing additional components, possibly related to installation or specific configurations, labeled "574-041 Rev. B."

5. Closing the System

Once the card is securely installed, close the computer case and reconnect all peripherals and power cables.

OPERATING INSTRUCTIONS

After successful installation, the SIMPLEX 4010-9818 Wired Network Media Card will function as an integral part of your system's network capabilities.

1. **Power On:** Power on your computer system. The operating system should detect the new hardware.

2. **Driver Installation:** In most modern operating systems, drivers for standard network cards are automatically installed. If prompted, follow the on-screen instructions for driver installation. If automatic installation fails, refer to your system's documentation or the SIMPLEX support website for specific driver downloads.

3. **Network Connection:** Connect an Ethernet cable to the network port on the SIMPLEX 4010-9818 card and to your network router or switch.

4. **Configuration:** Configure network settings (IP address, DNS, etc.) through your operating system's network settings interface as required by your network environment.

Maintenance

The SIMPLEX 4010-9818 Wired Network Media Card is designed for long-term, reliable operation with minimal maintenance. However, periodic checks can help ensure optimal performance.

- **Dust Removal:** Periodically, when the system is powered off and unplugged, open the computer case and gently remove any accumulated dust from the card and surrounding components using compressed air or a soft brush. Dust buildup can impede airflow and lead to overheating.

- **Cable Connections:** Ensure all network cable connections to the card are secure and free from damage.

- **Driver Updates:** While not frequently required, occasionally check the SIMPLEX support website for updated drivers that may offer performance improvements or bug fixes.

Troubleshooting

If you encounter issues with your SIMPLEX 4010-9818 Wired Network Media Card, consider the following common troubleshooting steps:

- **No Network Connectivity:**
  - Verify that the Ethernet cable is securely connected to both the card and the network device (router/switch).
  - Check the network status lights on the card and the network device. Refer to your network device's manual for light indications.
  - Restart your computer and network equipment.
  - Ensure network drivers are correctly installed and updated in your operating system's Device Manager.

- **Slow Network Speed:**
  - Check for other devices consuming bandwidth on your network.
  - Ensure your Ethernet cable is not damaged and is rated for the appropriate speed (e.g., Cat5e or Cat6 for Gigabit Ethernet).
  - Update network card drivers.

- **Card Not Detected:**
  - Ensure the card is fully seated in its slot. Power off the system, open the case, and re-seat the card.
  - Check your system's BIOS/UEFI settings to ensure the PCI/PCIe slot is enabled.
  - Test the card in a different compatible slot if available.

If issues persist after attempting these steps, contact SIMPLEX customer support for further assistance.

SPECIFICATIONS

Key technical specifications for the SIMPLEX 4010-9818 Wired Network Media Card:

Attribute	Detail
Manufacturer	SIMPLEX
Part Number	S40109818
Item Weight	2 pounds
Product Dimensions	6 x 6 x 6 inches
Item Package Quantity	1
Hardware Interface	Ethernet
Compatible Devices	Desktop, Laptop
UPC	647358696747
Date First Available	September 7, 2016

WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your SIMPLEX 4010-9818 Wired Network Media Card, please contact SIMPLEX customer service.

SIMPLEX is committed to providing dedicated customer service to assist with any questions regarding their products and orders.

Please refer to the official SIMPLEX website or your purchase documentation for the most current contact information and detailed warranty terms.
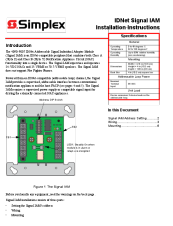
Related Documents - S40109818

[Simplex 4010 Fire Alarm: Installation, Operation, and Programming Guide](#)
Comprehensive guide for installing, operating, and programming the Simplex 4010 Fire Alarm system. Covers system components, wiring, configuration, diagnostics, and troubleshooting.

[Simplex 4010 Fire Alarm: Installation, Operation, and Programming Guide](#)
Comprehensive guide for the Simplex 4010 Fire Alarm system, covering installation, operation, and programming instructions. Includes system overview, wiring, configuration, diagnostics, and troubleshooting.

[Simplex 4010 Fire Alarm: Installation, Operation, and Programming Guide](#)
Comprehensive guide for installing, operating, and programming the Simplex 4010 Fire Alarm system. Covers system overview, wiring, configuration, diagnostics, and troubleshooting.

[Simplex IDNet Signal IAM Installation Instructions](#)
Detailed installation instructions for the Simplex 4090-9007 IDNet Addressable Signal Individual Adapter Module (Signal IAM), covering address setting, wiring configurations for Class A and Class B Notification Appliance Circuits (NACs), and mounting procedures. This guide provides essential information for integrating the Signal IAM with fire alarm control panels and notification appliances.

[Simplex Addressable Manual Stations: IDNet/MAPNET II Peripherals](#)
Explore Simplex addressable manual fire alarm stations, detailing their features, single/double action types, NO GRIP options, and compatibility with IDNet/MAPNET II systems. Includes mounting and specification information.

[Simplex 4005 Fire Alarm City Circuit Card Installation and Configuration Guide](#)
Detailed installation and configuration instructions for the Simplex 4005 Fire Alarm City Circuit Card (Part No. 565-550). Covers electrical and static hazards, installation steps, and jumper settings for Reverse Polarity, Local Energy, and Form "C" city circuits.