

MultiModem ™

**Models MT128ISA-UV,
MT128PCI-SD and MT128PCI-SV**

Quick Start Guide

MultiTech 
Systems

**Models MT128ISA-UV, MT128PCI-SD, MT128PCI-SV
PN: 82072611**

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Revision	Date	Description
C	11/15/2003	Manual updated to include Plug & Play driver installation.

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Getting Started

This step-by-step guide explains how to set up the Multi-Tech MT128ISA-UV, MT128PCI-SD, and MT128PCI-SV modems.

Safety Warnings

- Never install telephone wiring during a lightning storm. There may be a remote risk of electrical shock from lightning.
- Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
- Only use with UL and cUL listed computers.
- Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
- Use caution when installing or modifying telephone lines.
- Do not use the telephone to report a gas leak in the vicinity of the leak.
- To reduce the risk of fire, use only No. 26 AWG or higher gauge telecommunication line cord.
- Ports that connect to other apparatus are defined as SELV. To ensure conformity with EN 41003, ensure that these ports connect only to the same type of port on the other apparatus.

Unpacking the MultiModemISDN Adapter

Before installing the terminal adapter, verify the package includes:

- One internal ISDN PC adapter.
- MT128-series System CD containing modem driver and User Guide
- RJ-45 cable (6 ft.) for ISDN connection
- RJ-11 cable for POTS connection (V models only)
- This Quick Start Guide
- RJ11-BTS adapter (UK only)

If any items are missing, contact Multi-Tech or your dealer/distributor.

Hardware Installation

Note: Disregard step 1 for model MT128ISA-UV only.

1. Model MT128PCI-SD/SV and MT128ISA-UV adapters provide two jumpers (JP1 and JP2) for the terminator setup. The default setting is terminator enabled. Remove the JP1 and JP2 shorting plugs if other ISDN devices (with adapters) are connected to the NT1.

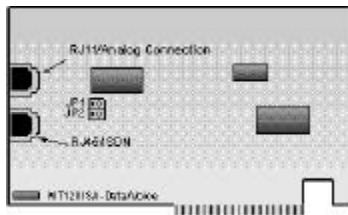


Figure 1. Internal ISDN ISA Adapter

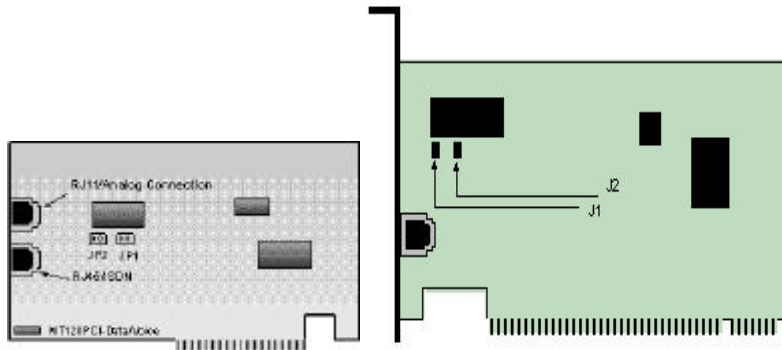


Figure 2. Internal ISDN PCI Adapters

- 2a. Turn off the computer power and remove the PC cover.
- 2b. For ISA cards, select an empty ISA slot for the adapter. For PCI adapters, select an empty PCI slot for the card. Remove the expansion slot cover and save the retaining screw.
- 2c. Before handling the adapter, discharge any static on your body by touching a piece of grounded metal, such as the computer chassis.

- 2d. Carefully remove the ISDN adapter from the antistatic bag, handling it only by the mounting bracket and edges. Do not touch the gold-plated connectors along the bottom edge.
- 2e. Place the adapter directly over the appropriate open slot. Gently push the connector into place until the adapter is firmly seated and the retaining bracket is flush with the computer chassis. Fasten the bracket to the computer chassis with the screw removed in Step 2b.
- 2f. Replace the PC cover.
3. Models MT128ISA-UV and MT128PCI-SV provide a POTS interface with RJ-11 jack to connect to analog devices (analog telephone, G3 fax, modem, or answering machine). Use an RJ-11 connector cable between the device and the RJ-11 phone jack.

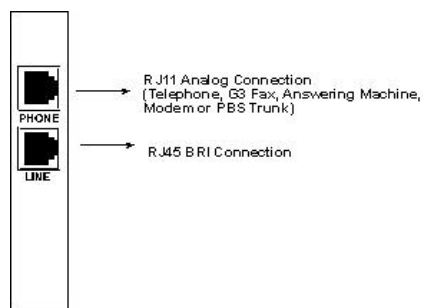


Figure 3. Modular Analog and BRI Connections

- 4a. Make the ISDN connection. Connect the MT128PCI-SD/SV adapter and NT1 with the RJ-45 cable connector, and insert the ISDN BRI line into the correct NT1 socket.

OR

- 4b. Insert the ISDN BRI line with the RJ-45 connector cable directly into the RJ-45 jack on the MT128ISA-UV adapter.

The ISDN PC environment is ready for driver installation.

Install the Modem Driver

For Windows 98/Me/2000/XP operating systems, install the modem driver using the Windows Plug and Play feature. Follow the procedure below to install the modem driver.

1. Verify the modem is properly connected, then turn on the computer. ~~Windows will detect the new modem and open the Install New Modem wizard.~~
2. Insert the MT128-series system CD. Click **OK** at the prompt.
3. Windows will install and configure the modem.
4. Click **Finish** at the prompt to exit.

Note: See the User Guide for installing the modem driver on other operating systems.

Windows NT Installation and Configuration

The internal ISDN PC adapter under Windows NT can be used with the standard CAPI interface or NDISWAN.

Note: To install, configure and remove devices under NT, your logon permissions must include the ability to load and remove device drivers.

After installing the ISDN card, power up the computer. Once Windows NT boots, use the following procedure to install the ISDN driver.

1. Click **Start>Settings>Control Panel>Network>Adapter> Add**
2. Click **Have Disk** and specify the correct drive and directory for the NT ISDN Installation disk/CD.
3. On the Select **OEM** Option Screen, select **ISDN MT128 ISA Adapter** and click **OK** (The ISA adapter does not work under Windows NT).
4. The ISDN Driver Bus Location dialog box appears. Select the proper bus type for the new adapter. For ISA adapters, select ISA. For PCI adapters, select PCI. Set the Bus Number to 0. Click **OK**.
5. Windows NT copies the ISDN driver into your system and displays the ISDN PC Adapter Configuration screen.
6. For complete Configuration procedure, see the User Guide

*Note: If the Adapter Configuration screen does not appear, or to edit the ISDN Switch configuration, access the screen by selecting **Start>Settings>Control Panel>Network**. Right click then select **Properties**.*

10. Click **OK** to install and setup RAS.

This device is covered by one or more of the following patents: 5,559,793; 5,546,448;
5,546,395; 5,535,204; 5,500,859; 5,471,470; 5,463,616; 5,453,986; 5,452,289; 5,450,425;
5,355,365; 5,309,562; 5,301,274. Other patents pending.



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