Installing the PROATM-WDM package
For the PROATM-155 Adapters

The PROATM-WDM package allows the PROATM adapters to work in a Windows environment without needing the Microsoft ATM stack no longer available since Windows Vista.

The PROATM-WDM package includes a Windows WDM driver and a virtual Ethernet miniport driver emulating Classical IP (RFC 1577) and/or multiprotocol (RFC 2684).

This package is supported in the following environments:

- Windows XP to Windows 10 in 32-bit and 64-bit.
- PROATM-V155, PROATM-E155, and PROATM-P155 adapters.

It supports the UBR, CBR, and VBR qualities of service.

Installing PROATM-WDM

Please note that you must login as system **administrator** to be able to install the driver because it is not certified by Microsoft.

1. Install the PROATM adapter and power on the computer.
2. When the Windows OS detects a new hardware, select **Cancel** to abort the installation.
3. Launch the **proATMWDMSetup.exe** utility.
4. The setup utility copies all PROATM-WDM files in the selected folder (by default: **c:\program files\prosum\proatm-wdm**).
5. Then the setup utility suggests to go ahead with the driver installation. Do not uncheck **Launch Driver Installation**.
6. Accept everything each time a security dialog box opens to get some confirmation. This installation process may take a long time. Do not stop the process, even if you are asked for this by Windows.
7. After the setup completes, the PROATM WDM driver is installed, as well as the Virtual Ethernet Adapter. You can modify the driver settings or add new virtual Ethernet adapters by using the **PROATM Manager** utility. You should find a shortcut on the desktop.

PROATM Manager

This program allows you to check the installed drivers, to change their settings, and to add or remove virtual Ethernet adapters.

PROATM-WDM Driver

You should see as many WDM drivers as PROATM adapters are installed into your computer. You can change the setup of each ATM adapter, but notice that most of time this is not recommended.

Miniport Ethernet Driver

The Miniport driver emulates NIC's that are seen as Ethernet adapters by the Windows OS. These fake Ethernet adapters connect to ATM networks via permanent virtual circuits (PVCs).

Virtual Ethernet Adapters

During the installation process, an Ethernet virtual NIC is installed. By default, this NIC transmits and receives over the ATM network by using the CLASSICAL IP protocol through the PVC 0, 32. To modify these settings, select the virtual adapter and click **Settings**. To add new virtual adapters click **Add New**. You will be asked to provide some parameters and a new virtual adapter will be added to the current list.

Setting Up an Ethernet Virtual NIC:

LAN Protocol Encapsulation	Select the protocol used to carry the Ethernet packets through the ATM. There are two options: Classical IP over PVC's as described in RFC 1577 or Multiprotocol as described in RFC2684.
Max Frame Size	Specify here the size limit of IP packets that will be transported by the ATM protocol. The default value is 9180.
Locally Administered MAC Address	Check this box if you wish to replace the Ethernet MAC address assigned by default to the virtual adapter by a custom address. You must enter 12 hexadecimal digits.
ATM VPI Number, ATM VCI Number:	Enter the VPI and VCI values to select the ATM VC that will be used to transport the Ethernet packets.
Quality of Service	Specify here the quality of service used by the ATM VCs, either UBR, CBR, or VBR

IP Addresses

PROATM-WDM makes it possible to bind several IP addresses with specific PVC's. You just have to create one Virtual Ethernet Adapter for each binding.