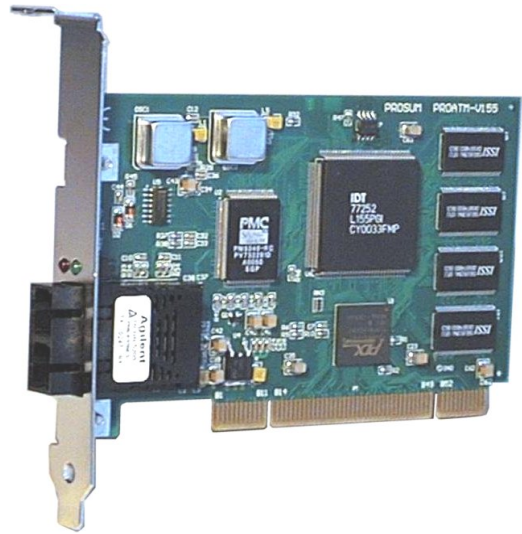


PROATM-V155

ATM Network Interface Cards for Fiber Optic 155 Mbps Connection

Main Features

- Long Life Products
- Reasonable Prices
- Free Technical Support
- Single Mode and Multimode Fiber Optic Models
- Drivers for Windows Vista/XP/2000, Linux and FreeBSD



Overview

The PROATM-V155 PCI ATM adapters are intended for use into servers, routers and test benches that connect to ATM fiber optic networks (STS/STM-1/OC3). Their performance, reliability, level of compatibility and cost effectiveness make them the best solution for all applications involving a 155-Mbps ATM connection.

Examples of use: connection of workstations and servers; implementation of ATM/Ethernet cost-effective border routers; PPPoA and PPPoE DSLAM connections; traffic generation for AAL0, AAL2 and AAL5 test bench; monitoring; transmission of video and/or sound into several independent channels.

<i>Model</i>	<i>Media</i>	<i>Connector</i>	<i>Max length</i>	<i>Connections</i>	<i>PCI</i>
PROATM-V155F	Multimode Fiber	SC duplex	2 Km	16384	3.3 V
PROATM-V155FM	Single mode Fiber	SC duplex	15 Km	16384	3.3 V
PROATM-V155FLH	Single mode Fiber	SC duplex	40 Km	16384	3.3 V

Operating System Compatibility

On Windows XP/Vista: The new [PROATM-WDM](#) driver allows for Classical IP (RFC 1577) and Multiprotocol (RFC 2684) connections. It supports the UBR, CBR and VBR Qualities of Service. It is compatible with Winsock.

On Windows 2000/XP: The [NDIS 5.0 driver](#) gives access to the Microsoft ATM software layers. It supports the UBR, CBR, VBR and ABR Qualities of Service and is compatible with Winsock2.

On Linux: A rich set of functions is available on this operating system. Download the linux-atm package from [ATM on Linux](#) or [linux-atm-2.4.1](#). The [nicstar2.tgz](#) driver runs on Linux kernels 2.4.xx and 2.6.xx. It supports the UBR, CBR, VBR and ABR Qualities of Service and manages the OAM cells automatically. It is provided as open source software.

On FreeBSD: The [proatm.tar.gz](#) driver runs on FreeBSD 3.5, 3.51, 4.1 and newer. With 5.xx kernels, use the new PATM driver. The card and the driver comply with the HARP ATM software and support the UBR, CBR and VBR Qualities of Service.

Technical Specifications

- **SAR:** IDT 77252
- **Theoretical Network Data Transfer Rate (OC3):** 155.52 Mbps Full Duplex
- **Practical Data Transfer Rate :** 135 Mbps
- **Simultaneous connections:** 16384
- **VPI/VCI:** 14-bit encoding
- **ATM and SONET Standard Compliance:**
 - AAL5, AALO
 - CBR, VBR, UBR, ABR (SAR)
 - UNI 3.0, UNI 3.1 (ILMI included)
 - SONET/SDH, STS/STM-1/OC3
- **PROATM-(V)155F Fiber ATM port:**
 - Fiber: multimode 62/125 and 50/125, max 2 km.
 - Wavelength: 850 nm ; Sensitivity: -29 dBm ; Output Power: -20 to -11 dBm ; Max Input Power: -9 dBm
- **PROATM-(V)155FM Fiber ATM port:**
 - Fiber: single mode, max 15 km.
 - Wavelength: 1310 nm; Sensitivity: -38 dBm ; Output Power: -15 to -8 dBm; Max Input Power: -6dBm
 - Class 1 laser product. It complies with IEC 60825-1 and Telcordia GR-468-CORE
- **PROATM-(V)155FLH Fiber ATM port:**
 - Fiber: single mode, max 40 km.
 - Wavelength: 1310 nm ; Sensitivity: -38 dBm ; Output Power: -8 to -5 dBm ; Max Input Power: -6 dBm
 - Class 1 laser product. It complies with IEC 60825- and Telcordia GR-468-CORE
- **Connector: Duplex SC**
- **On board memory:**
 - PROATM155: 512 KB
 - PROATM-V155: 2048 KB
- **Indicators:**
 - Red: Link
 - Green: Driver is running
- **PCI Bus:**
 - PROATM-155: 5V, 32-bit, version 2.1
 - PROATM-V155: 3.3V/5V, 32-bit, version 2.2
- **PC Data Transfer:** Direct Memory Access (DMA)
- **Operating Voltage and Current:** 5V, 1 A max
- **Operating Temperature:** 0° C to 50° C (32° to 131° F)
- **Operating Humidity:** 10% to 90%, non condensing
- **MTBF:** 700 000H
- **Size:** 120 mm x 75 mm
- **Compliance:** FCC Part-15 class B
- **CE Marking**
 - **Safety:** EN50082-1
 - **Emissions:** EN 55022 Class A
- **RoHS:** 5/6

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