

## PROATM-V155 and PROATM-155

### 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, Linux and FreeBSD

#### Overview

The PROATM-V155 and PROATM-155 PCI ATM adapters are intended to be used into servers, routers and test benches that connect to ATM fiber optic or UTP 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
PROATM-155F	Multimode Fiber	SC duplex	2 Km	4096	5V
PROATM-155FM	Single mode Fiber	SC duplex	15 Km	4096	5V
PROATM-155FLH	Single mode Fiber	SC duplex	40 Km	4096	5V
PROATM-155UTP	UTP cat5	RJ45	100 m	4096	5V

#### Operating System Compatibility

**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 QoS 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 QoS 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 QoS

## Technical Specifications

- **SAR:** IDT 77252
- **Theoretical Network Data Transfer Rate (OC3):** 155.52 Mbps Full Duplex
- **Practical Data Transfer Rate :** 135 Mbps
- **Simultaneous connections:**
  - PROATM-155: 4096
  - PROATM-V155: 16384
- **VPI/VCi:**
  - PROATM-155: 12-bit encoding
  - PROATM-V155: 14-bit encoding
- **ATM Standard Compliance:**
  - AAL5, AAL0
  - CBR, VBR, UBR, ABR (SAR)
  - UNI 3.0, UNI 3.1 (ILMI included)
- **PROATM-(V)155F Fiber ATM port:**
  - Cable: multimode fiber, max 2 km.
  - Connector: SC
  - SONET/SDH, STS/STM-1/OC3
  - Wavelength: 1300 nm ; Sensitivity: -30 dBm ; Output Power: -20 dBm
- **PROATM-(V)155FM Fiber ATM port:**
  - Cable: single mode fiber, max 15 km.
  - Connector: SC
  - SONET/SDH, STS/STM-1/OC3
  - Wavelength: 1300 nm; Sensitivity: -29 dBm ; Output Power: -15 dBm
  - Class 1 laser product. It complies with IEC 825-1 and FDA 21 CFR 1040.10 and 1040.11.
- **PROATM-(V)155FLH Fiber ATM port:**
  - Cable: single mode fiber, max 40 km.
  - Connector: SC
  - SONET/SDH, STS/STM-1/OC3
  - Wavelength: 1300 nm ; Sensitivity: -35 dBm ; Output Power: -15 dBm
  - Class 1 laser product. It complies with IEC 825-1 and FDA 21 CFR 1040.10 and 1040.11.
- **PROATM-155UTP UTP ATM Port:**
  - Cable: UTP Cat5, max 100m
  - Connector: RJ45
  - STS-3c/STM-1
  - Emission: 1 Vpp
  - Isolation: 1500 Vrms
- **On board memory:**
  - PROATM155: 512 KB
  - PROATM-V155: 2048 KB
- **Indicators:**
  - Network Activity
  - 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:**
  - PROATM-155: NO
  - PROATM-V155: 5/6

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