**PROATM-P155F
PROATM-P155FM
PROATM-P155FLH**
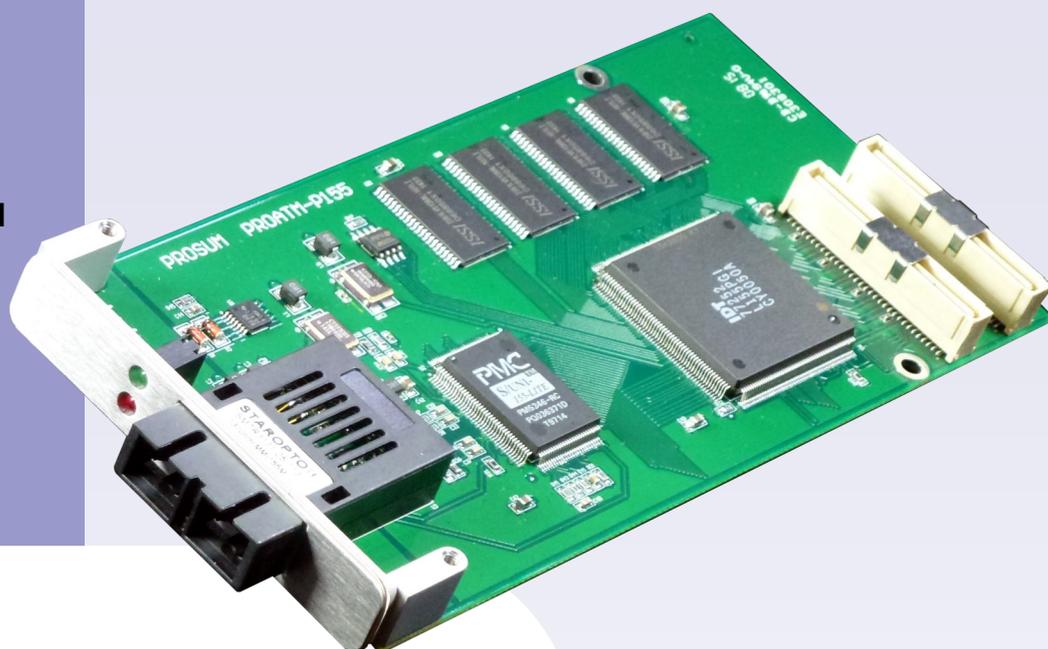
PROATM-P155

ATM Networks

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PROATM-P155 is a family of PCI Mezzanine ATM adapters that are intended for use into industrial equipments, servers, routers, and test benches that connect to ATM fiber optic networks (STS/STM-1/OC3). Their performance, reliability, and level of compatibility, make them the best solution for industrial and military applications involving a 155-Mbps ATM connection.

- Single mode and multimode fiber optic models
- Drivers for Windows 8/7/Vista/XP, Linux, and FreeBSD
- Support of 32-bit and 64-bit Windows and Linux technologies
- Software application example
- Long life products
- Works in PMC 5V slots
- 16384 connections
- Free technical support

Examples of use

Connection of industrial equipments, workstations and servers; Implementation of ATM / Ethernet cost-effective border routers; PPPoA and PPPoE DSLAM connections; Traffic generation for AAL0, AAL2 and AAL5 test benches; Monitoring; Transmission of video and/or sound into several independent channels.

Operating System Compatibility

On Windows 8/7/Vista/XP: The 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 proatm-linux driver runs on Linux kernels 2.6.x and 3.x.x. 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. Starting from 5.xx kernels, use the PATM driver. The PATM driver is supported by the FreeBSD community. The card and the driver comply with the HARP ATM software.

Technical Specifications

- **SAR:** IDT 77252
- **Theoretical 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, AAL0
  ◊ CBR, VBR, UBR, ABR (SAR)
  ◊ UNI 3.0, UNI 3.1 (ILMI included)
  ◊ SONET/SDH, STS/STM-1/OC3
- **PROATM-P155F Fiber ATM port:**
  ◊ Fiber: multimode 62/125 and 50/125, max 2 km; Wavelength: 1310 nm ; Sensitivity: -29 dBm ; Output Power: -20 to -14 dBm ; Max Input Power: -14 dBm
- **PROATM-P155FM 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-P155FLH 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:** 2048 KB
- **Indicators**:
  ◊ Red: Link
  ◊ Green: Driver is running
- **PMC Bus:** PCI, **5V**, 32-bit, version 2.2
- **PC Data Transfer:** Direct Memory Access (DMA)
- **Operating Voltage and Current:** 3.3V 0.5A max, 5V, 1A max
- **Operating Temperature:** 5° C to 50° C (41° 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
- **Compliance CE Marking:**
  ◊ **Safety:** EN50082-1
  ◊ **Emissions:** EN 55022 Class A
- **RoHS:** 5/6

Ordering Information

PROATM-P155F: Multi mode fiber, 2km
PROATM-P155FM: Single mode fiber, 15km
PROATM-P155FLH: Single mode fiber, 40km

We reserve the right to change specifications at any time without prior notice.

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