ATM Host Gateway: IBM TURBOWAYS 100 ATM Adapter for the 3172 Interconnect Controller Model 3

Providing a smooth migration path to ATM

Highlights

The TURBOWAYS 100 ATM Adapter for the 3172 Interconnect Controller Model 3 offers dedicated, 100-Mbps, full-duplex connectivity to ATM LANs.

By using this adapter, 3172 Model 3 users now have direct access to high-bandwidth, high-speed, ATM LANs.

In addition, the adapter provides token-ring and Ethernet LAN emulation, allowing a connection to the ATM network that is transparent to your existing applications.

The TURBOWAYS connection

The TURBOWAYS 100 ATM Adapter is a high-performance, Micro Channel adapter that provides dedicated bandwidth of 100 Mbps over multimode fiber. It operates at 100 Mbps, full duplex, offering higher throughput than currently available with LAN technology.

Through the use of an i960 processor and a specialized ATM chip set, the adapter can provide high throughput with minimal use of the 3172 processor.

This ATM solution is a cost-effective answer for ATM gateway connections to your hosts supporting ESCON or parallel channels.

The TURBOWAYS in the 3172

Installing a TURBOWAYS 100 ATM Adapter in your 3172 Model 3 gives your ATM network connectivity to IBM S/370, S/390, and ES/9000 hosts. It also provides low-cost, multi-host access for ATM backbones.

You can take advantage of the TURBOWAYS 100 ATM Adapter's token-ring and Ethernet LAN emulation feature, which allows you to continue using your token-ring and Ethernet applications while migrating to ATM. You don't have to invest in all new hardware and software to use ATM today.

In addition to ATM support, your 3172 Model 3 continues to offer support for its gateway function for token-ring, Ethernet, and FDDI LANs, and for frame relay and SDLC WANs. And you still get support for SNA or TCP/IP over parallel or IBM Enterprise Systems Connection (ESCON) channels.

Your ATM-connected host will be able to communicate with other compatible devices, such as hosts, routers, and workstations across an ATM network.

The 3172 Model 3 supports network management with NetView or SNMP, providing ease of integration with your current network management support.

So, if you want to take advantage of ATM's increased bandwidth and optimized network performance offerings, but you don't want to lose your current LAN-to-host gateway connection, the TURBOWAYS 100 Adapter in the 3172 Model 3 is the solution for you.

For more information

To learn more about the TURBOWAYS 100 ATM Adapter for the 3172 Interconnect Controller Model 3 and other high-performance IBM communications and networking products, contact your local IBM marketing representative or your local IBM authorized remarketer.

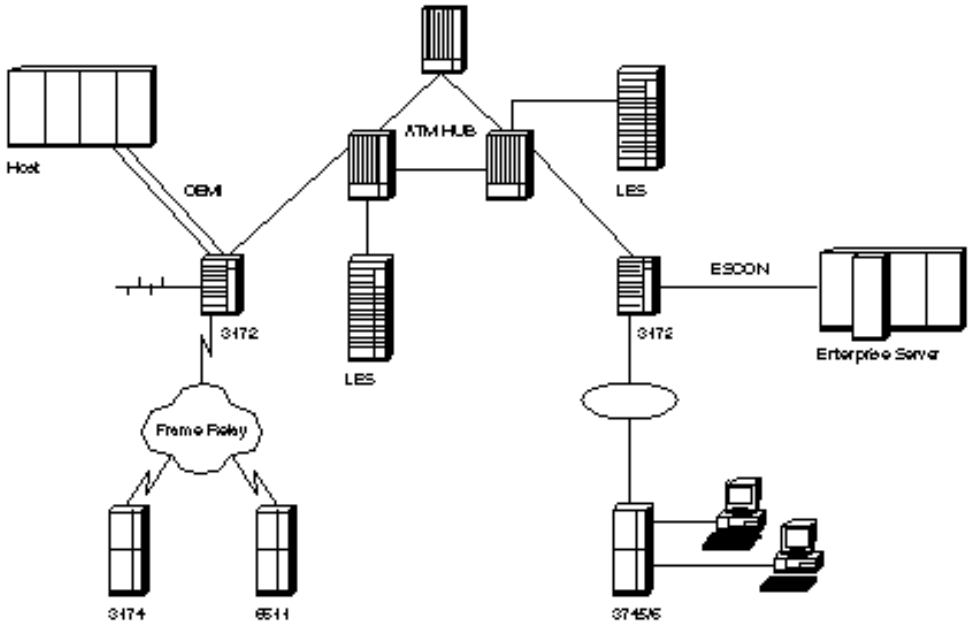


Figure 1: ATM Network Connectivity.

TURBOWAYS 100 ATM Adapter for the 3172 Model 3 at a glance

- **Feature code**
  - 2310
- **System requirements**
  - 3172 Interconnect Controller Model 3 with one available LAN slot
- **Operating system requirements**
  - OS/2 2.1 or higher
- **Cabling and connectors**
  - 62.5 micron, plenum-rated multimode fiber terminated with an SC connector
- **Standards support**
  - ATM Forum UNI Specification V3.0 for SVCs (including permanent virtual circuit) AAL-5 adaptation layer interface
- **Protocols enabled**
  - NetBIOS, SNA, IPX, and TCP/IP (through LAN emulation)
- **Physical specifications**
  - TURBOWAYS 100
    - Width: 122.56 mm (4.8 in.)
    - Depth: 332.74 mm (13.1 in.)
    - Height: 18.25 mm (0.72 in.)
  - 3172 Model 3
    - Width: 483 mm (19.0 in.)
    - Depth: 484 mm (19.1 in.)
    - Height: 306 mm (12.0 in.)
- **Operating environment**
  - Temperature: 10 to 40 C (50 to 104 F)

  - Relative humidity: 5% to 90%
  - Maximum wet bulb temperature: 27 C (81 F)

- **Warranty**
  - One year

- **Publications**
  - IBM 3172 Interconnect Controller Hardware Planning Guide (#GA27-4003)
  - IBM 3172 Interconnect Controller Addendum to Hardware Library (#GA27-4129)

- **Availability**
  - General availability 10/95

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Department 46A
P.O. Box 12195
Research Triangle Park, NC 27709
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G224-4437-00