*Harness mainframe power for your client/server network*

# IBM 3172 Interconnect Controller Program Version 3 Release 5

***Highlights***

- ***Provides LAN-to-host gateway transport of TCP/IP and SNA protocols***
- ***Supports up to four LANs (FDDI, Token-Ring and Ethernet) connected to S/370™ and S/390® hosts***
- ***Developed with static routing for high throughput to VM or MVS® hosts***
- ***Supports the configuration of two FDDI adapters***
- ***Allows multiple TCP/IP hosts to share a LAN adapter***

With the IBM 3172 Interconnect Controller Program Version 3 Release 5 (ICP) you get additional performance and increased connectivity. Add the optional Interconnect Enhancement feature to this field-proven operating system, and you add SNA protocol support to the TCP/IP gateway function.

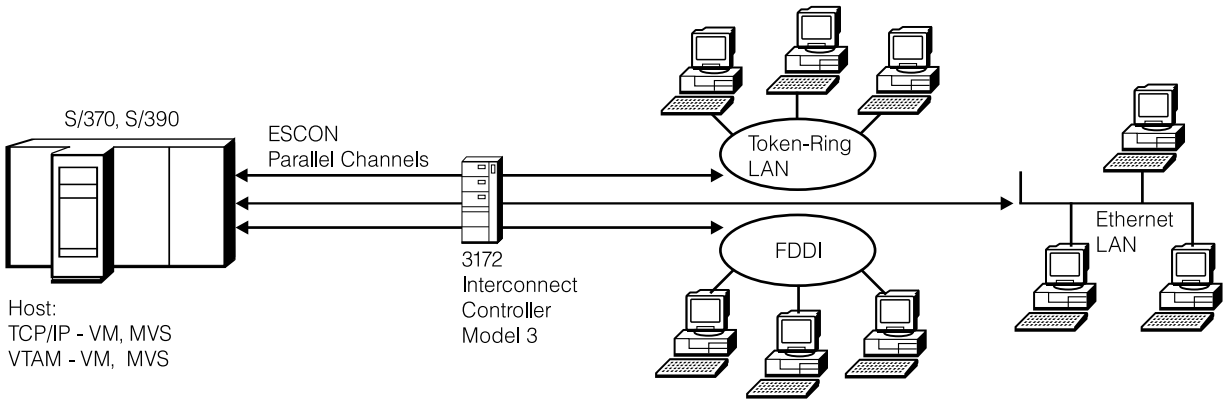
ICP supports the 3172 Nways™ Interconnect Controller Model 3, giving you an effective solution for direct host-to-LAN connectivity for your multihost and multiprotocol environments. The 3172 is best suited for those installations where most data from any single user is intended for a single host application. It is an inexpensive solution for connecting LAN users who require the additional performance capabilities of host-based applications.

ICP supports Ethernet, Token-Ring and FDDI LANs concurrently. Developed with static routing to maximize throughput efficiency, ICP is what you need for your LAN-only environment.

An OS/2®-based configuration utility, Operator Facility/2 (OF/2) is part of ICP. An authorized administrator can employ OF/2 to install new code releases and configure, monitor and control the 3172 controllers. By using the 3172 OF/2 in conjunction with Distributed Console Access Facility Version 1 Release 1 (DCAF), these functions can be done remotely.

**Multi-host connectivity**

ICP allows multiple TCP/IP hosts to share a LAN adapter in a 3172. ICP lets you predefine the target TCP/IP host based on the IP address. A default target host can also be defined if the default target is acting as an intermediate router. This new capability greatly increases the number of TCP/IP hosts a single 3172 gateway can support. The 3172 supports a maximum of 32 channel paths per channel adapter or single ESCON® adapter. There is a limit of 40 channel



paths for two installed single-slot ESCON adapters. The channel paths can be any combination of VTAM®, TCP/IP and NetView® connections.

### Dual FDDI support

Up to two FDDI adapters can now be configured in the 3172 at one time.

### NetView access from multiple hosts

ICP allows an SNA management connection to be configured on several different channel paths. However, only one path connection can be active at one time.

### OF/2 over FDDI

An FDDI adapter can be used to communicate with OF/2 in addition to Token-Ring and Ethernet adapters. Only one adapter per 3172 can be used for OS/2 communication.

### Performance Monitor

With the Performance Monitor function of the ICP, you can monitor and display information at 1-minute intervals on the 3172 Model 3. Current, average and peak 3172 system, LAN and channel performance, in addition to CPU utilization, can be collected by using the trace log. The types of information that you can monitor include overall system performance, performance information for each LAN adapter and performance information for each channel adapter.

### Backup/Recovery

Using the Backup/Recovery feature, you can create a backup configuration that can be activated when your primary channel connection becomes unavailable. This feature is only available with two ESCON or two parallel channel adapters.

### Password protection

ICP checks for valid passwords prior to a host-initiated initial program load (IPL) of the 3172 Model 3.

### Additional memory

With the ICP, you have 8 MB of additional memory at your disposal, for a total of 16 MB of RAM, to provide additional buffers and increased performance.

### Investment protection

The modular design and the connectivity options of the ICP help protect your equipment investments from becoming outdated. The open-ended design of the ICP allows for the addition of future functions and features.

### Distributed Systems License Option

A Distributed Systems License Option (DSLO) is available at a reduced price for all additional licenses at a single customer location.

### How to order

To order the Interconnect Controller Program Version 3 Release 5, contact your IBM representative and specify the following information:

- For a basic license, specify program product number 5621-425 and feature number 9001 for asset registration.
- For the Interconnect Enhancement feature (SNA support), specify feature number 0146.
- The ICP program product is ordered separately through Boulder.

### For more information

To find out more about the Interconnect Controller Program Version 3 Release 5 or the 3172 Nways Interconnect Controller Model 3, contact your IBM representative or call IBM Direct at 1 800 IBM-CALL (1 800 426-2255). You can also access the IBM Networking Home Page at http://www.networking.ibm.com.

Copies of this and other related product specification sheets including the *IBM 3172 Nways Interconnect Controller Mode 3* specification sheet (G221-3680) can be obtained from the IBM FAX Information Service by dialing 1 800 IBM-4-FAX (1 800 426-4329) in the U.S. or Canada or by dialing (415) 855-4329 outside the U.S. and Canada, and requesting the following document numbers: 7327 and 6245.

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IBM Corporation
Department TYCA
PO Box 12195
RTP, NC 27709

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