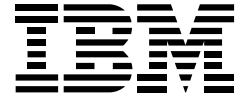*Providing easy access to corporate data
from industry-standard applications*

IBM

IBM Netfinity® ESCON® Adapter

Power and capacity

Opens a high-capacity, reliable, bi-directional data highway between Netfinity servers and mainframe-resident data and applications. Fully implemented MPC protocol yields 40% performance improvement and 60% reduction in System/390® CPU cycles. Compare ESCON Adapter transfer rates with Ethernet: 200Mbps versus 100/10Mbps and 64,000 bytes per block versus 1,500.

Up-scale scalability

With the ESCON native mainframe connection, make your Netfinity server a tightly coupled data warehousing and data mining co-processor. Centralize your gateway server with a powerful, economical, channel-attached Netfinity server.

Business-critical control

Non-disruptive fail-safe recovery, near-zero error rates across the channel, 200Mbps data transfer rate and up to 64,000 bytes per block let you confidently run mission-critical applications interacting with mainframe data from your Netfinity server.

Acclaimed service

From installation planning through start-up and operations, world-class IBM Netfinity server systems combine with IBM's outstanding selection of options and support programs to help keep your business and data systems running effectively.

High-performance, lasting solutions

Business-critical applications such as enterprise resource planning and data warehousing and mining for business intelligence frequently require access to mainframe data. Imagine your Intel® processor-based server supporting these business applications with efficient, high-bandwidth connections direct to mainframe-resident data to help you make critical and timely business decisions. No longer an impossible dream, the IBM Netfinity ESCON Adapter integrated with an IBM Netfinity server delivers that reality. This solution can enable businesses to deploy and manage industrial strength scalable e-business solutions quickly and economically.

Options
by IBM

e e-business tools

A combination power play

The first to fully implement the Multi-Path Channel (MPC) protocol—called MPC+—the ESCON Adapter can improve performance by up to 40% while reducing System/390® CPU cycles by up to 60%. It also provides non-disruptive fail-safe recovery. By supporting the ESCON Multiple Image Facility, the ESCON Adapter enables multiple Netfinity users to access multiple mainframes efficiently.

Ideal for Business-critical applications

With both the Netfinity server and the mainframe systems realizing high-speed data access and bi-directional data exchange, you can also consolidate multiple, distributed LAN-to-mainframe gateways into a single centralized channel-attached Netfinity server. This greatly simplifies network administration, network management and change control for now and into the future.

Netfinity servers using the ESCON adapter are ideal for running enterprise resource planning applications such as SAP, J.D. Edwards, Peoplesoft and Baan. They are also an excellent choice for business intelligence applications such as data mining and data warehousing.

Quality and capability control

In addition to providing high-speed, bi-directional, bulk data transfer across ESCON channels, direct channel-attachment to mainframes using an ESCON Adaptor eliminates potential error-introducing factors related to narrow bandwidth, intermediate controllers and LANs—resulting in a near-zero error rate.

Acclaimed service and support

One of the Options by IBM products, the ESCON Adaptor is specifically designed, compatibility-tested and optimized for Netfinity systems to ensure easy configuration, installation and setup. All Options by IBM assume the terms of the three-year warranty[1] on your Netfinity system for seamless coverage.

From installation planning through start-up and post-sales, world-class IBM Netfinity Server systems combine with IBM's league-leading support programs to help keep your systems up and running…and your business growing.

IBM®

IBM Netfinity ESCON Adapter at a glance

Power Requirements	5.5 Amp. at + 5V DC, 20 mAmp. at + 12V DC, 20 mAmp. at - 12V DC
Connectors	ESCON ESCON MIC Serial Port DB9
Physical Attributes	
Dimensions (H x W)	4.2" X 12.283" Standard Full Size PCI Adapter
Operating Environment	
Temperature	10°–40° C
Relative Humidity	0%–90%
Standards	PCI 2.1 Compliant
Software	On Board Control Unit Emulations, 3174 (for SNA), 3172 (for TCP/IP)
Available Device Drivers and APIs	Microsoft Windows NT 4.0, Novell NetWare
Optional Data Link Drivers	IBM Communications Server for Windows NT, Microsoft SNA Server for Windows NT, Novell NetWare for SAA