Mainframe Appliance for Networking

The Solution is simple.™

ESCON to Ethernet Connectivity

The Bus-Tech Mainframe Appliance for Networking provides direct, high-speed connection between your Local Area Network and your System/390 mainframe. The Mainframe Appliance for networking is the smallest Mainframe TCP/IP Interconnect Controller available on the market today. This powerful controller occupies a single U slot in a standard 19"rack, which can save you valuable space in your data center. The Mainframe Appliance for Networking provides a single ESCON connector which plugs into a System/390 channel and two RJ-45 connectors for plugging into your 10/100/1000 Mbs Ethernet networks. The ESCON connector plugs directly into a System/390 ESCON port or into an ESCON Director port and offers full ESCON Multi-Image Facility (EMIF) support.
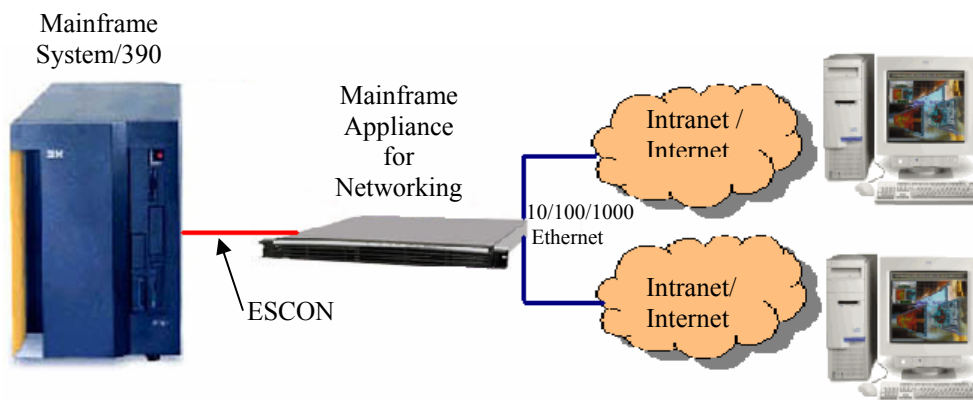
The Mainframe Appliance for Networking uses LAN Control Station (LCS) protocol to exchange TCP/IP traffic between mainframe resident TCP/IP applications and the network. TCP/IP-based servers and clients running TCP/IP applications such as Telnet, TN3270 and FTP gain immediate access to OS/390, z/OS, of VSE TCP/IP services. System/390-based Web servers can use the Mainframe Appliance for Networking to deliver HTML and Java applications to browser-based clients anywhere on the Intranet/Internet.

The Mainframe Appliance for Networking fully supports EMIF. When installed in a system running in Logical Partition (LPAR) mode, each channel path may be defined as a shared path. TCP/IP stacks running in different LPARs may transparently share an ESCON port.

IBM ESCON Enabled

The Netshuttle implements IBM's ESCON Enabler Technology, providing compatibility to IBM's ESCON channel.

Mainframe System/390

Mainframe Appliance for Networking

10/100/1000 Ethernet

Intranet / Internet

Intranet/ Internet

ESCON

BENEFITS

- **Designed for Simplicity –** The Mainframe Appliance for Networking is pre-configured with the appropriate channel and network connections based on your requirements. Installation is simple, just plug it in.

- **Rugged, yet compact –** The Mainframe Appliance for Networking is the smallest Interconnect Controller available on the market today. This high-performance controller comes in a single U form factor, saving valuable space in your data center.

- **Remote Administration –**Any PC connected to the Ethernet network can Administer the Appliance from their Java-enabled Web Browser provided they have appropriate authority.

- **Reliability –** The design of the Mainframe Appliance for Networking was done with high-availability as a primary concern. The result is a controller that will run, unattended, for many years of service.

- **Support for Mainframe-based TCP/IP -** The Mainframe Appliance for Networking supports all the mainframe TCP/IP products including IBM's z/OS, OS/390, MVS, VM, Linux/390, and AIX as well as third party products like Computer Associates' TCPaccess and Connectivity Systems TCP/IP for VSE. Additionally, Mainframe Appliance supports IBM's Virtual IP Addressing (VIPA) providing redundant hardware support.

PRODUCT FEATURES

- Two 10/100/1000 Mbit/sec. Ethernet Ports
- High-Speed TCP/IP Communications
- Support for both 10 Mbyte and 17 Mbyte ESCON Channels
- TCP/IP Packet Filtering
- Support for Virtual IP Addressing
- Administered from any networked PC

Physical Attributes

Rack Mount	Mounts into Standard EIA 19" Rack
Dimensions	1.7"H x 16.9"W x 24"L (Standard Unit)
Power	One fixed 350W PFC, 4.96A at 115V, 2.48A at 220V

Certifications

Emissions	FCC Part 15, AS/NZS 3548 (Based on CISPR 22), ICES-003, GB9254 & 17625 (CCC Certification), EN55022, EN55024 & EN61000-3-3/-3-3 (complies with 89/336/EEC), CISPR22, VCCI, RRL, MIC 1997-41 & 1997-42, GOST 29216-91 and 50628-95, CNS13438
Safety	UL60950 – CSA 60950 (UL and cUL), IRAM Certificate, GB4943 (CCC Certification), EN60950 (Complies with 73/23/EEC), GS License, IEC60950 (CB Report and Certificate), EMKO-TSE (74-SEC) 207/94, GOST 50377-92

Operating Environment

Temperature	
Operating	5^0 - $+35^0$C
Storage	-40^0 - $+70^0$C ambient
Humidity	Non-operating: 95% at +35°C non-condensing

System/390 TCP/IP Products Supported

IBM	OS/390 Communications Server
	TCP/IP for VM
	TCP/IP for MVS
	Linux/390
Amdahl	UTS
Computer Associates	TCPaccess
Connectivity Systems	TCP/IP for VSE

Ports

10/100/1000 Ethernet (2)	RJ-45
Channel (1)	IBM Enabled ESCON

Required Software

A Java Capable Web Browser on a client PC is required for Mainframe Appliance for Network Configuration

Part Numbers

ESCON	12-02406-00-001

The Solution is simple.

BUS-TECH INC.