ENTERPRISEEXPRESS ADAPTER / ESCON

The Solution is simple.™

High-Speed, Programmable Mainframe Connectivity

Bus-Tech, Inc., the leader in data center connectivity solutions, offers the EnterpriseExpress Adapter/ESCON, a PCI bus to Enterprise System Connection Architecture (ESCON) adapter solution. Using IBM's ESCON Enabler chipset and executing IBM's licensed Internal Code Control Unit Image guarantees compliance with IBM's ESCON specification. Support for IBM's Multi-Path Channel Plus (MPC+) channel progocol provides the fastest connection of your PCI-based server directly to the ESCON channel of your IBM or compatible System/390 mainframe host system.

The EnterpriseExpress Adapter/ESCON can be used in several different environments:

- Server consolidation of your SNA gateways

- Client/server application access to data residing on S/390 mainframes

- As a platform for developing third party applications utilizing Bus-Tech's rich Application Programming Interface (API).

By consolidating the SNA gateways in the data center, customers can deploy IP backbones while maintaining SNA data and application access to S/390 mainframes. The EnterpriseExpress Adapter/ESCON provides direct channel-attachment of most popular SNA gateway software products available including Microsoft's Host Integration Server 2000, Microsoft's SNA Server and IBM's Communications Server for Windows 2000/NT.

Bus-Tech's TCP/IP Direct Connect software, included with the adapter, allows access to mainframe resident TCP/IP applications from ESCON attached servers or from any workstation on your network.

As customers look to efficiently deploy Enterprise Resource Planning and Business Intelligence client/server application architectures, the need to access legacy DB2 data stored on S/390 mainframes becomes essential. The EnterpriseExpress Adapter/ESCON, utilizing SNA/APPN or TCP/IP protocols, provides a direct high-speed link for any Windows 2000/NT based application requiring high-speed access to mainframe databases. Examples of such applications include: SAP, PeopleSoft, Baan, Oracle, and Tivoli's TSM (ADSM).

Third party vendors can deploy integrated channel connection solutions by developing software to work directly with the EnterpriseExpress Adapter/ESCON. Programming to the API and leveraging the broad set of controller emulation types, vendors can develop offerings such as bulk data movement or storage networking solutions.
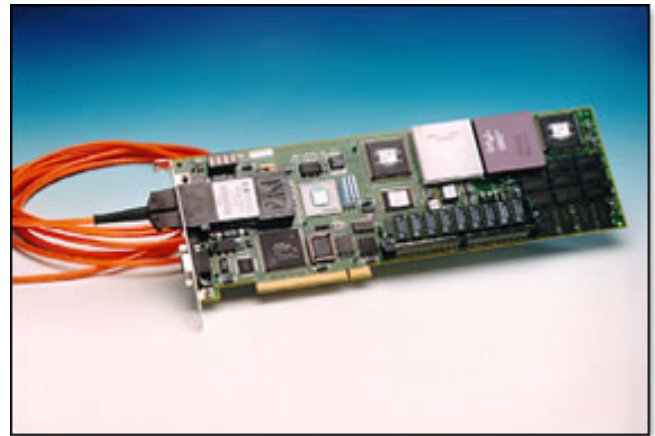
Highlights

- **Supports ESCON Multiple Image Facility (EMIF)**

- **Supports ESCON Director Services**

- **Supports NDIS drivers to make adapter appear as a standard NIC**

- **Utilized the 32 bit 80960CR RISC Processor (33MHz)**

- **Supports ESCON Channel speeds of 10 Mbytes/sec. or 17 Mbytes/sec.**

- **4 Mbytes of buffer memory with parity protection**

- **1 Mbyte of control store memory**

- **Single-board design for simplicity and improved MTBF**

- **Supports a maximum burst transfer of 132 Mbytes/sec. over the PCI bus**

- **Emulation microcode can be easily updated in the field**

- **An RS232 port for remote support capability**

SPECIFICATIONS

ENTERPRISEEXPRESS ADAPTER/ESCON

Physical Attributes

Dimensions	**Standard Full Size PCI Adapter**
Power Requirements	**5.5 Amp. at +5V DC** **20 mAmp. at +12V DC** **20 mAmp. and –12V DC**
Operating Temperature	$10^0 – 40^0C$
Humidity Range	**0% - 90%**
Standards	**PCI 2.1 Compliant**

Certifications

Emissions	**FCC Class A, CE EN-55022, Canadian (ICES-003),** **C-Tick (AS/NZS 3548 and VCCI (V-3/93.01)**
Safety	**ETL (UL1950), ETLc (CSA C22.2 No. 950-95)** **and CE EN-60950 (IEC 950)**
Immunity	**CE EN50082-1 (IEC 1000-4-2 and IEC 1000-4-3)**

Connectors

ESCON	**ESCON MIC**
Serial Port	**DB9**

Software

Channel Emulations	**3174 (for SNA)** **3088 (for TCP/IP)** **3490 (for data movement applications)**
Available Device Drivers and APIs	**Windows 2000/NT Server 4.0** **Linux** **Unix**
Data Link Drivers Included	**Microsoft Host Integration Server / SNA Server** **IBM Communications Server for Windows 2000/NT** **Bus-Tech's TCP/IP Direct Connect**
Optional Data Link Driver	**Multi-Path Channel Plus (MPC+) for Windows 2000/NT***

Host TCP/IP Stacks Supported

IBM	**TCP/IP for MVS** **Communications Server for OS/390** **TCP/IP - VM**

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