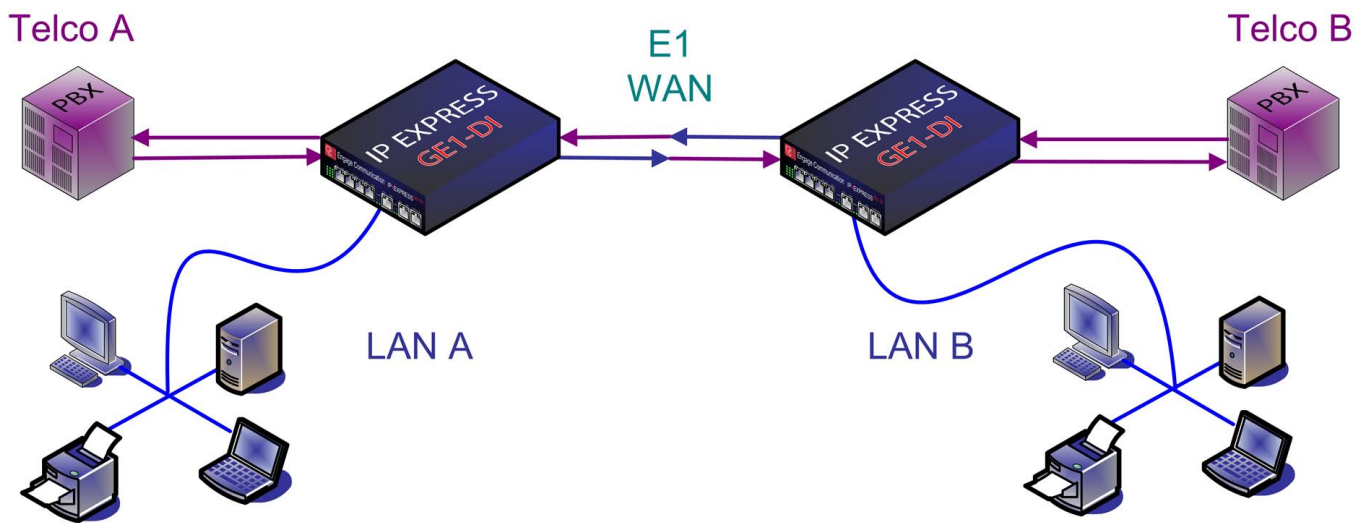


• E1 WAN Router or Bridge with Drop and Insert Mux •

IP•Express GE1-DI is a high performance, bandwidth scalable, WAN router or bridge with 4 E1 ports with flexible Drop and Insert capabilities. Point to Point and Frame Relay Wide Area Networking Protocols, with 24/7 proven interoperability, are fully supported on the E1 channels allocated to the internal WAN Router or Bridge.

The 4 E1 ports are able to independently connect E1 based Telecommunication Equipment and Ethernet LANs to 1 or 2 remote locations.

A WAN Router or Bridge, 1 to 3 E1 Drop and Insert Interfaces and a long haul E1 DSU/CSU are integrated to create a complete E1 Data and Voice Multiplexor.



• Point to Point Access for Voice and Data •

Interconnect Remote LANs and PBXs Over E1

IP•Express GE1-DIs are used to connect Branch Office PBXs and Phone switches to an organization's headquarter's Phone System, which has access to the PSTN, to save money on Local Access Phone charges and interoffice calls. The remote LAN interconnection to the Headquarter's LAN is utilized for centralized database access, shared file servers, print servers, etc...

Teleconferencing Equipment Interconnect

IP•Express GE1-DIs provide E1 based Teleconferencing Applications with a very cost effective solution to share a E1 connection with the LAN.

Remote Management of Telecom Switches

IP•Express GE1-DIs enable Telecommunication Service Providers to remotely manage their Telecommunication Switches over their E1 connection. Allocation of E1 bandwidth to the LAN interface provides for an always on network connection to the Ethernet Management interfaces of the Telecommunication Switch.

Internet Access and PBX Connection to PSTN

IP•Express GE1-DIs are the ideal Customer Premise Equipment for Competitive Local Exchange Carriers that are provisioning Internet Access and PBX Connection to the PublicSwitch Telephone Network.



IP•Express GE1-DI Technical Specification

LAN Network Interface:

- 10/100 BaseT Ethernet Port
- Auto-negotiate or Configured Speed/Duplex

LAN Network Protocols:

- IP, TCP, UDP, RIP, ICMP
- IP Multicast support
- Spanning Tree Bridging

WAN Network Interfaces:

- Two E1/FracE1 CSU/DSU ports

WAN Network Protocols:

- PPP (RFC 1548/1332/1334, PAP)
- Multilink PPP (RFC 1990)
- Frame Relay (ANSI ANNEX D, LMI, RFC 1420)

Routing Protocols Supported:

- RIPv1, Static

E1/Fractional E1 Specifications:

- Framing - CRC/FAS/UNFRAMED
- Coding - HDB3 or AMI
- Supports DS0 assignments from 1 to 31 (64Kbps to 2.048 Mbps)

E1 Diagnostic:

- Loopback Test Network, Internal, Framer, Payload
- Bert Tests 2E07,2E11,2E15,QRSS

TFTP Online Upgrade Capable

- Fully operational during upgrade

Network Security:

- Full On Source, Destination; Port and Flag IP Packet filtering
- Network, Device and Application

Dimensions:

- 9" (L) x 7.3" (W) x 1.50" (H)
- E1 Wan D&I Connectivity in 1/2 of a 19" rack

Management:

- Telnet support with Edit and Paste Templates
- Console Port for Out of Band Management
- SNMP support (MIB I, MIB II)
- Remote configuration, monitoring, & reset

Regulatory:

- Safety -IEC60950
- EMC - CFR 47 Part 15 Sub Part B:2002 EN55022:1994+A1&A2 EN55024, ICES-003 1997 CISPR 22 Level A
- Telecom - TBR12/13
- CE

Power:

- Locking Power Connector
- 12-24 VDC 1.0A Ships with Universal Adapter
- Optional -48V 0.25 Amp
- Hot Standby with 2nd Power Module

How to Order — IP•Express GE1-DI

| Part No. | Description | Notes |
|-------------------|---|---|
| ODI-2048-0x | IP•Express GE1-DI, xE1 (x=2 - 4 Ports) | Base Model Specify # of E1 Ports Enabled |
| UDI-2048-0x | IP•Express GE1-DI E1 Port Upgrade | Enable Additional E1 Ports (up to 4) |
| Power Options | | Specify as suffix |
| -DCMOD | Power 12/30 VDC with LOCKING CONNECTOR | Ships with Universal Adapter 90/240 50/60 |
| -WIREDC | Power 12/30 VDC Stripped Wire Screw | |
| -N48VDC | Power Supply Module Negative 48 Volt DC | Isolated Negative 48 Volt Power Hot Standby |
| Rack Mount Option | | Specify as suffix |
| -RACKMNT | 19" Wide Rack Mount Brackets | Enclosure Nut Serts Installed |