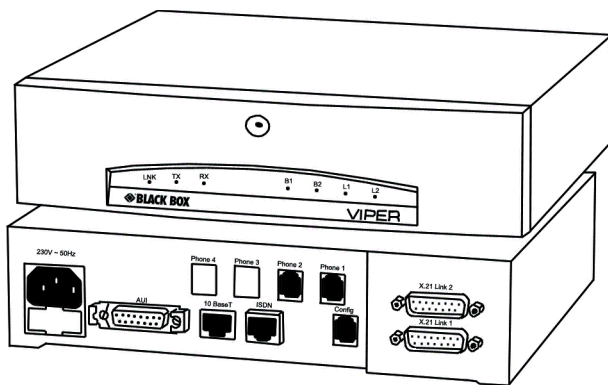


Viper - Voice over IP Exchange Router



Only the VIPER gives you toll- quality speech and high-data throughput for the price of a single call!

Key Features

- ▶ Voice and LAN data on a single B channel
- ▶ Fully featured LAN router platform
- ▶ ISDN, Frame Relay, Leased line interfaces
- ▶ Dual Voice compression capability
- ▶ ITU Standard G729A, G723.1 voice compression
- ▶ FXO, FXS and E&M telephony interface types
- ▶ Fax capability to 14.4kbps
- ▶ SNMP and Telnet management
- ▶ Remote software upgrade
- ▶ Distributed PABX functionality
- ▶ Voice over IP (VoIP) capability

Overview

The Black Box VIPER provides a unique solution for the needs of the rapidly expanding Teleworker population. The VIPER – Voice over IP Exchange Router – technology combines voice, fax, and LAN traffic over a single ISDN channel to make the virtual office possible today. This total integration concept is based on Fast Packet technology which efficiently allows both data and packet voice/fax to share bandwidth on the same link. This innovation means that when a Teleworker picks up the phone at home a

connection is made automatically to the corporate site and the user hears dial tone from the central PABX allowing all telephony facilities available to the corporate user. When a call is connected to the user's office extension the phone at home rings. If the call remains unanswered the central site voicemail facilities are activated as normal. Using Computer Telephone Integration the homeworker can have all the enhanced feature-phone facilities enjoyed by others at the corporate site.

All LAN access facilities are

maintained as VIPER incorporates a fully specified ISDN router allowing voice and data on a single 64K B channel or up to 120kbps of data traffic plus voice on two B channels.

Product Advantages

- ▶ Dramatically reduced telephony call charges – the VIPER allows free, high quality speech communication over the same link already being used by the LAN traffic.
- ▶ VIPER integration provides a free data call during voice communication and free voice communication during a data call – surveys suggest that approximately 50% of telephony traffic in a multisite organisation is internal intra-office traffic.
These cost savings can pay for a VIPER integrated solution within months!

VIPER Technology

- ▶ VIPER incorporates the newest DSP based voice compression standards, endorsed by the ITU as providing toll quality speech capability, and includes G729A at 8Kbps, which with silence compression and comfort noise generation allows a further reduction in data rate during pauses in speech.
- ▶ VIPER incorporates an IP/IPX router with multiple interfaces for LAN, WAN and Network connection. The dual voice/fax compression supports multiple analogue interface options including FXS with 2 POTS ports – for connection to telephones or fax machines, FXO- for simple connection to a PABX and E&M for connection between PABXs.
- ▶ The Black Box VIPER also provides a 10BASE-T port for LAN connection, ISDN BRI and serial synchronous connections for Frame Relay and leased access plus a serial port for HDLC passthrough. The ISDN BRI can be used for dialup 128K frame relay or as backup if the main link fails.

Specifications

Size 6.0cm x 22.5cm x 19.5 cm	Analogue RJ11 (2) – FXO/FXS RJ45 (2) – E&M	Line Type Leased ISDN
Weight 1.8 kg	Indicators Power Ethernet – Status, TX, RX ISDN – B1, B2 WAN – Link1, Link2	Protocols LAN - IP, IPX WAN – PPP, MLPP, Frame Relay
Connectors: Data RJ11 – console RJ45 – ISDN DB15 – AUI RJ45 – 10bT	Power 230VAC 50Hz (115 VAC, 60Hz on request)	Voice/Fax G729A – 8 kbps CS-ACELP Silence Suppression/Compression Fax Relay at 2400 – 14400 bps
WAN option DB15 (2) – X21 DB25 (2) – V24 DB25(2) – V35 (needs adapter cable)	Speed Up to 2Mbit aggregate	

Ordering Information

ITEM	CODE
VIPER	
(2) RJ-11 (FXO)	ISU9901-FXO
(2) RJ-11 (FXS)	ISU9901-FXS
(2) RJ-45 (E&M)	ISU9901-EM
VIPER Plus (with Hardware Compression)	
(2) RJ-11 (FXO)	ISU9901-PLUS-FXO
(2) RJ-11 (FXS)	ISU9901-PLUS-FXS
(2) RJ-45 (E&M)	ISU9901-PLUS-EM
WAN Option	
X.21 Interface	ISU9902-X21
V.24 Interface	ISU9902-V24
V.35 Interface (with Adapter Cable)	ISU9902-V35
Software Upgrade	
Frame Relay	ISU9903-FR
AC15	ISU9903-AC15