

Highlights

- Transparent bandwidth controls IP Tunnel
- Transparent Circuit-to-Packet Conversion
- Utilizes Efficiency of IP Networks
- Straight Forward Configuration
- Leverage Existing Bulk Data Encryption for Data over IP
- AC or DC Powering Available
- Available in DCE or DTE interface
- V.35 versions also available
- Operation at 2.4Kbps to 2.048Mbps
- Secure electronic communication with high-grade encryption and decryption equipment

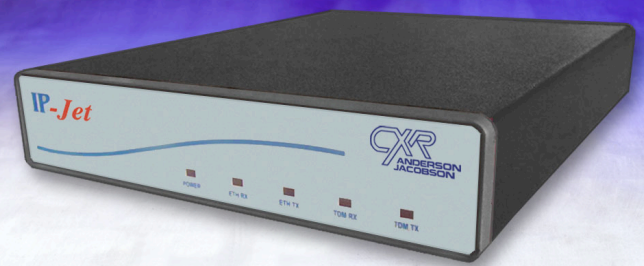
The **CXR-Anderson Jacobson IP-Jet RS530™** provides the leveraging of existing Communications and Information Security (COMSEC and INFOSEC) compatible Bulk Data Encryptor products such as the KIV-7HSB, KIV-19A, OMNI and KG-84A. Secure electronic communication, high-grade encryption and decryption equipment that space and other sensitive digital communication environments use to interconnect with IP services.

Applications

- Secure Video TeleConferencing
- Field Command Centers
- Secure Wireless Bridge connections
- SIPRNet or NIPRNet access

Encrypted Data over IP/Ethernet Connections

The IP-Jet RS530 allows users to maximize existing Bulk Data Encryption Modules for use over IP/Ethernet connections. Encrypted Data over IP with the IP-Jet RS530 is an extremely economical solution that utilizes a proven



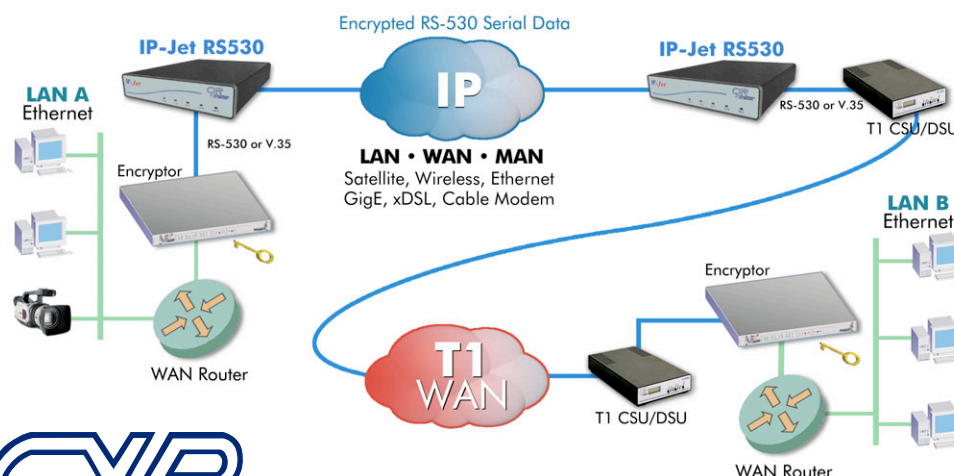
installed base of high performance INFOSEC devices. Enterprises interconnect Encryptors over flexible bandwidth intranet, Local Area Network (LAN), Metropolitan-Area Network (MAN), Wide Area Network (WAN), or Wireless Ethernet.

IP-Jet RS530 Encrypted Data Over IP/Ethernet Connections

Both defense and government agencies require secure data communication links in their access to flexible IP services. The IP-Jet RS530 encapsulates synchronous serial data from Data Terminal Equipment (DTE) such as Encryptors, Terminal Servers, Video Codecs and WAN Routers into IP packets. The IP connection provides for the transparent interconnection of DTEs through LANs, WANs, MANs, Satellite and Wireless Ethernet. The size and frequency of the IP packets can be set to bit rates from 2.4Kbps per second to 2.048Mbps with N times 2.4K, 56K and 64K clocking.

WAN Data over IP

The IP-Jet RS530 provides a transparent bandwidth regulated IP Tunnel for interconnecting remote Networks. WAN Protocols, such as PPP and Frame Relay, that utilize HDLC framing are encapsulated with HDLC over IP.



The IP-Jet facilitates the transport of Type I encrypted bulk data across a combination of IP and T1 WAN infrastructures. The IP-Jet RS530 DCE and IP-Jet RS530 DTE are deployed to support internetworking across varied LAN/WAN/MAN networks.

Anderson Jacobson IP-Jet RS530

Flexible IP-Jet RS530 Serial Data Extensions over IP



Broadband Service providers are able to transport Enterprise WAN connections with inband management of the Committed Information Rates (CIR). The IP-Jet RS530 can also be utilized as a secondary path for fault tolerant mission critical applications.

HDLC over IP

IP-Jet RS530 with HDLCoIP connect to the RS-530 leased line interface of an Enterprise's WAN Router and encapsulate the HDLC frames into an IP Packet that is sent to the remote site IP-Jet RS530 where it is presented to the remote WAN router as the original HDLC frame. Enterprises are able to connect to broadband IP services through their existing proven WAN infrastructure. Internal Ethernet networks remain isolated and security services such as Firewalling are maintained.

Transparent Bandwidth Regulated IP Tunnel

The WAN security provision of the IP-Jet RS530, such as firewalling, is maintained. In addition the IP Tunnel's CIR is configurable by service provider inband. The IP-Jet RS530 provides a redundant path for fault tolerant mission critical applications.

Clocking & Bandwidth

The IP-Jet RS530 and IP-Jet RS530 V.35 products are considered Data Communication Equipment (DCE), and as such, provide the clocking to their attached Data Terminal Equipment (DTE). SCTCLOCK is used to clock SD data from the DTE into IP packets that are sent to the interface S1's TUBE ADDRESS. SRCLOCK is used to clock the RD receive Ethernet packet data from the buffer memory into the DTE.

Specifications

LAN PARAMETERS

- LAN Interface: 10Base-T Ethernet
- LAN Protocols: TCP/IP (IP, TCP, UDP, ICMP)

RS-530 INTERFACE

- DCE/DTE Standard DB-25 Female
- 2.4K to 2.048Mbps per second data rate (N times 2.4K, 56K and 64K Clock Modes)
- DCE/DTE Standard 25 pin
- DTR Controlled Transmission
- CD Reception Indicator
- Circuit Extension Services over IP (CESOIP)
- HDLC over IP (HDLCOIP)
- Configurable Packet Size

RS-530 over IP PROTOCOL

- Circuit Extension Services over IP (CESOIP)
- HDLC over IP (HDLCOIP)
- Configurable Packet Size

COMPLIANCE/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 - Part 68
- CE

QUALITY OF SERVICE SUPPORT

- IP Type of Service (TOS) CLI configurable
- IANA Registered UDP Port 3175

MANAGEMENT

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

TFTP ONLINE UPGRADE CAPABLE (Flash Roms)

- IP-Jet RS530 is fully operational during upgrade

POWER

- External 90-240 VAC, 50/60 Hz Adapter
- Optional 12-36 VDC 1.0 Amp
- Optional -48V 0.25 Amp

DIMENSIONS

- 9 in x 7.3 in x 1.50 in (L x W x H)

INPUT/OUTPUT

- Console Port: RJ-45 to DB-9 Male Adapter provided
- Ethernet: Standard 10Base-T Interface
- RS-530 DCE Interface: Connection to Synchronous Serial Interfaces - Encryptions, WAN Routers, Video Codecs

Ordering Configurations

IP-Jet RS530-DCE

Configured as Data Communication Equipment

IP-Jet RS530-DTE

Configured as Data Terminal Equipment

OPTIONS (Power)

Specify as suffix

-DCMOD

Power Supply Module 12/26 VDC ADP CON

-WIREDC

Power Supply Module 12/26 VDC Screw Term

-N48VDC

Power Supply Module Negative 48 VDC (Isolated Negative 48V Power)
Hot Standby Configuration (Specify an additional Power Module Suffix)