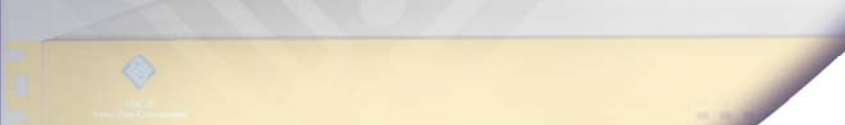




ELECTRONIA



VDC -1E Voice Data Concentrator

The Electronic VDC-1 E is a modular Network Gateway multiplexer and router designed to provide companies with all the benefits of Internet security and convergence. It is a voice gateway and data router combined to work over WAN and LAN connections. With the VDC-1 E, data and voice transmission are completely secure using industry standard firewalls, encryption, and authentication protocols. Companies can combine their voice and data networks within a VPN and realize the benefits of features previously available only to a small number of companies.

The VDC-1E has a superior interoperability with a range of industry standards including IPSEC and UDP, frame relay, and proprietary encapsulation algorithms. The VDC-1 E provides prioritization of voice over data and dynamic bandwidth allocation to assure the most efficient use and availability of shared bandwidth in satellite network applications.

Benefits:

- Secure voice and data with firewall, encryption, and authentication.
- Voice traffic is prioritized over data traffic reconfigured any analog port to FXS or E&M
- High-quality voice with exceptional bandwidth efficiency

Features:

- Data/voice technology in one unit
- Quality of service
- Software configuration ports
- Voice compression using G.711, G.729a, TDHS, CELP, and ACELP
- Scalable and flexible
- Any port to any port over any protocol

General:

The VDC-1E is a Voice, data, and VPN technology in one unit. The unit functions as a flexible voice exchange providing fatal dialing flexibility between any two ports in the network, even within the same VDC-1E. It supports ANI and will support calls between two-wire telephone ports on one unit and an EI trunk on a distant unit in the network. Powerful and flexible numbering plan translation tools are another major feature of the VDC- 1E. The Quality of Service (QoS) mechanisms ensure superior and consistent voice/fax/data performance and data integrity. The QoS capabilities including traffic and queue management. prioritization, forward error correction, (MGM buffet management. segmentation. and re-assembly.

The VDC-1E delivers high quality, low bandwidth compressed voice using G.711. G.729a, TDHS, CELP, or ACELP voice call algorithms. The toll quality voice with software configurable interface supports FX0. FXS, and E&M. Calls can be switched from any port to any port across a public, or private network within and between any VDC-1E and VDC-2E in the same network.

TECHNICAL SPECIFICATION

Voice compression algorithms	G.711, G.7290, TDHS, Celp, or ACELP
Automatic call type detection	voice/Fax
Software configurable port	FXS, EXC, E&M
Fax support	Group II.1 at 2.4, 4.8, 9.6
Silence suppression and comfort noise generation	
Dialing	DTMF tone and pulse
Echo cancellation, Jitter buffer setting	
SNMP NMS support	

GENERAL SPECIFICATION

Unit weight	9.5 lbs
Dimension	17.5" x 10.25" x 1.75"
Operating/storage temperature	Operating 0° to 50°C (32° to 122° F) Storage -5° to 70°C (23° to 158° F)
Operating/storage humidity (non-condensing)	Operating 10 to 90% Storage 5 to 95%
Input frequency	115 VAC at 64 Hz 2 30 VAC at 50 Hz
Voice module	10 baseT Ethernet - for LAN D89-console, to connect to a PC for configuring and monitoring
Optional module	10 baseT Ethernet - for LAN/WAN

