

The AEP Series V VadIX is a single, high-end VPN termination platform that introduces a core switching and concentration capability enabling organisations to manage the increasing complexity of their expanding networks. Located at the control centre, vadIX enables them to manage the communication of voice and multiple data services at their control centre to and from their mobile, regional and often remotely located teams.

Building upon the proven reliability and efficiency of its forerunners being the chassis based products in the vadACCESS range, the vadIX introduces core switching and concentration capability to address highly complex networks.

Scalability and Efficiency

The vadIX platform is a new generation of product, which is able to leverage high-end processors while protecting the skills our customers have in the Operating System. Although we have introduced a user-friendly interface the essential strengths of our OS are preserved. Large networks typically require complex configurations and as they expand become increasingly dependant on the ability to easily manage these while maintaining the flexibility of adequate processing power.

Performance

The vadIX single platform terminates large amounts of VPN tunnels with multi-protocol packet data services and is capable of handling in excess of 1,000 protocol tunnels. Utilising modern architecture and having increased memory, increased availability of buffers dramatically increases the network configurations that can be handled. Utilising modern architecture the increased memory and thus increased availability of buffers means the network configurations able to be handled are dramatically increased. A further advantage is that these are achievable on a single platform. Our existing SNMP management platform is seamlessly available too, providing a further protection of our customers' investment.



BENEFITS

- Operational cost reduction
- Service enablement
- Lower TCO
- Revenue enhancement
- Proven reliability
- Management flexibility
- Future roadmap
- Bandwidth savings
- Toll quality voice over limited band-width

NEW FEATURES

- In excess of 60,000 packets per second
- 4GB industrial grade, double speed compact flash in internal SATA
- Dual Core 2 duo 2.6Ghz processors
- Supports large configurations
- Dual redundant hot-swappable power supply
- 1GB DDR II Memory
- Designed for Core Switching applications
- Extremely reliable with high MTBF
- Lockable front panel protects disk access & power on/off

Redesigned Architecture

The architecture features a high speed Bus with 10/100/1000 Ethernet interfaces with dual power supplies. As standard the vadIX has a hot swap capability as well as the ability to manage high speed links in a completely scalable fashion.

The VadOS Operating System

The need to integrate multiple data sources does not have to require a complex and proliferated network infrastructure that is unwieldy and difficult to support. AEP Networks provides a single platform solution that provides all the benefits of reduced capital expenditure, simplified training and engineering resource efficiency.

The core component throughout the entire AEP Networks product range is the VadOS operating system. VadOS recognises the importance of each data stream as dictated by business need and assigns a level of service integrity and quality of service while dynamically managing bandwidth for optimal use. This approach to aggregating and delivering voice and other mission critical application data streams over the most efficient transport mechanism enables our customers to intelligently handle multiple protocol communication requirements with ease.

vad^{os}™ | Functional Specifications

PROTOCOL SUPPORT

- Standard:
 - Vados VSAT (Virtual Synchronous Access Technology)
 - Frame Relay
 - NNI/UNI, LMI (ANSI & ITU)
 - Switched & PVC
 - TCP/IP PPP (RFC 1331), SLIP
 - TPAD
 - PAP/CHAP
 - X.25 (1980 & 1984), X.32
 - OSI Transport (Class 0, 2, 3)
 - V.25bis
 - Async port up to 115.2Kbaud (X.3, X.28)
 - HDLC transparent passthrough
 - Bit transparent
 - Bandwidth management
 - Auto link back-up
- Optional:
 - IBM SDLC / QLLC
 - APACs 30+40
 - ALC/IPARS
 - MLP
 - X.42
 - SMDS

PRIMARY RATE ISDN SUPPORT

- Standard:
 - Q931, X.31
 - Basic Rate
 - 2B+D (Euro ISDN)
 - Primary Rate
 - 30B+D
 - CRC4, Double Frame/
 - Multi Frame
 - SS7 Spoofing
 - Unstructured

ETHERNET SUPPORT

- Standard:
 - MAC bridging, IP routing
 - OSPF, RIP, RIP2
 - NAT/PAT
 - OSI TP4
 - GOSIP CLNS/CONS
 - BootP Client
 - IP header compression
 - IP/UDP encapsulation
- Optional:
 - IPX routing
 - DHCP client
 - OSI ES-IS
 - DLC local termination

TERMINAL EMULATION

- Standard:
 - TCP Telnet (Client & Server)
 - Transparent Telnet (RFC 1006)
- Optional:
 - ICL 7561
 - IBM 3270 (inc.Kanji)
 - IBM PU2.0 concentration
 - Telnet (RFC 1646)

MANAGEMENT SUPPORT

- Standard:
 - Local async console (RS232)
 - Virtual port for remote access
 - SNMP (MIBs: MIB2 & Enterprise)
 - vWATCH (SNMP Management)
 - Billing and Accounting
 - Local/Remote configuration, upload, download, TFTP
 - Remote software download, TFTP
 - RADIUS
 - Env monitoring
 - Internal protocol scope
- Optional:
 - Netview Service Point & Distribution Manager

IBM NETWORKING

- Optional:
 - SDLC / QLLC / DLC
- ACCESS**
- Menu and Presentation Service
 - Security (Password, address validation)

PHYSICAL

- Height 88mm (2U)
- Width 431mm
- Deep 575mm
- Weight 15kg

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