Ultra ELECTRONICS

AEP Networks

Series V

Secure Communications Optimised Packet Engine - SADIS 2G Edge

Product Datasheet

The Series V VadEDGE range of single platform devices enables effective communication at the edge of the enterprise network. With VadEDGE, mobile, regional and remotely located teams are able to access the same voice and data communication channels that their colleagues benefit from at the organisation's headquarters.

VadEDGE 4200 SADIS 2G ROUTER

BENEFITS

- High bandwidth efficiencies and savings
- Service enablement
- Converged multimedia services
- Lower TCO
- Revenue enhancement
- Proven reliability
- Future proof design
- Toll quality voice over limited bandwidth
- Embedded QoS and security capabilities

FEATURES

- Up to 2 software selectable WAN interfaces
- Two 2-port 10/100 Ethernet Switches
- Multi-service support
- Reduced form factor
- High Reliability
- Feature-rich Management platform

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Delivering specialist communication solutions

The 4200 SADIS 2G Router has been developed to be deployed as part of the SADIS 2G receiving solution, providing World Meteorological Organisation (WMO) data to end users. The receiving solution consists of the 4200 SADIS 2G Router, a third party Satellite Receiving solution and a workstation running a Visualisation application.

The 4200 SADIS 2G Router can also be configured to output either TCP, UDP or X.25 data streams. An added benefit is that the X.25 stream is backward compatible with SADIS 1G X.25.

4200 Sadis 2G Router Hardware Specifications

PORTS

Ethernet 10/100 (fixed)	2
WAN (fixed)	2

POWER

100-240V AC 40W

DIMENSIONS

Width (mm)	435
Height (mm)	45
Depth (mm)	270

Ordering Information

vadEDGE 4200 Sadis 2G Router

2 software selectable WAN interfaces and two 2 Port 10/100 Ethernet switches. - data only unit

Part Number VE-4200-S2G

The VadOS operating system

The need to integrate multiple data sources does not 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.

vadOS™ | Functional Specifications

SERIAL LINK 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
- Bandwidth management
- Auto link back-up, speed-detect & measure

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

WMO Support

Standard:
- WMO format header

MANAGEMENT SUPPORT

Standard:
- Local async console (RS232)
- Virtual port for remote access
- SNMP (MIBs: MIB2 & Enterprise)
- MegaWATCH (SNMP Management)
- Billing and Accounting
- Local/Remote configuration, upload, download, TFTP
- Remote software download, TFTP
- RADIUS
- Environmental monitoring
- Internal protocol scope

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