

CopperJet 426

Voice over SHDSL IAD



Features and Benefits

- 4 x POTS Voice over DSL
- ELCP, CAS, CCS signaling
- SHDSL ITU G.991.2 Annex A, B
- User friendly webserver interface
- Symmetric data rates of 144 kb/s to 2320 kb/s
- Stateful inspection firewall
- Back-to-back support
- 4 port 10/100 Ethernet switch



Picture may differ from product

CopperJet 426

The CopperJet 426 is a Voice over SHDSL (ATM) Integrated Access Device based on ITU G.991.2 SHDSL Annex A and Annex B technology designed to address the high-speed delivery of a large amounts of data through regular copper phone wires. With the CJT 426 users can benefit from state of the art SHDSL connections for their business applications.

The CJT 426 supports 4 POTS connections on RJ11 connectors that can be used for telephony (analog phones), fax or PaBX services using its integrated residential exchange functions. It has proven interoperability with BLES (DSL-Forum), Paradyne/ Jetstream, Cirpack, TDSOft, Siemens and Alcatel Voice Gateways. The IAD also provides full layer 3 Routing, layer 2 Bridging and combines software security for added versatility. An integrated 4 port 10/100Mbps Ethernet Switch allows 4 LAN devices (eg PC's) to be connected. This removes the requirement for an external Ethernet Hub, and reduces overall system cost.

This latest development from Allied Data Technologies is a combination of Data and Voice in order to supply customers a total package of datacommunications and telephony.

CopperJet 426

Allied Data
TECHNOLOGIES



Technical Specifications

LAN Specifications

- 4 port Ethernet 10/100Base-TX RJ45
- Automatic MDI/MDIX crossover
- Auto-negotiation and speed-auto-sensing
- Complies with IEEE802.3 and IEEE802.3u
- Non-blocking
- Half and full duplex support
- Support up to 4096 MAC addresses
- Automatic learning and aging
- Bridging: IEEE 802.1d with spanning tree
- Routing: Default, Static, RIP1, RIP2
- DHCP: Server, Client, Relay

WAN Specifications

- SHDSL Annex A and B RJ11
- ITU G.991.1
- ITU G.991.2
- ANSI TR-28 Single pair
- ANSI T1.418 HDSL2
- ITU G.994.1 (G.hs)
- 2B1Q or PAM line codes

ATM

- ATM AAL2 (voice), AAL5 (data)
- Support UBR, CBR, VBR-nrt, VBR-rt
- VPI Range (0-4095) and VCI range (1-65535)
- Support up to 8 PVCs in bridge mode and 5 PVCs in router mode
- Support OAM F4/F5 loopback
- RFC2684 (RFC1483), multi-protocol over ATM
- RFC2225 (RFC1577), IPoA
- RFC2364, PPP over ATM
- RFC2516, PPP over Ethernet (over ATM)
- ATM Forum profile 7-12, ITU profile 1 & 2

Voice

- 4 x POTS FXS (RJ11)
- Loop Start Signalling
- DTMF (tone) dialing
- 600 Ohm impedance
- 5 REN per port
- Internal Ring Source
- ELCP, CAS, CCS signaling
- G.711 compression (64Kbps PCM)
- G.726 compression (32Kbps ADPCM)
- G.168 Echo Cancellation
- A-law, u-law encoding
- DTMF Detect and Remove
- Fax/Modem Tone Detect and support
- Universal CP Tone Detect
- Voice Activity Detect s/AGC
- Silence Compression and Reconstruction
- Caller ID (Transmit/ Receive)
- Caller ID on Call Waiting
- Flash on/off hook

Management

- SNMP V1, V2, MIB I, MIB II
- Webserver interface
- TELNET
- Dying Gasp

Security

- Stateful Inspection Firewall
- Intrusion Detection
- Denial Of Service protection
- De-Militarized Zone
- NAT/NAPT

Certification / Homologation

- CE mark
- IEC 60950
- FCC part 15 class B
- FCC part 68
- UL 1950

Interoperability

- Interoperable with major DSLAM manufactures.
- Voice Gateways: Alcatel, Cirpack, CopperCom, Keymile, Paradyne/Jetstream, Siemens, TDSofT

Visual Indicators

- Power
- LAN: Ethernet
- WAN: SHDSL
- Phone

Product Package

- CopperJet 426
- RJ45 Ethernet Cable
- RJ11 Cable
- Installation CD-Rom
- Installation manual on CD
- Power Supply

Operating System

- Ethernet: System independent including Windows Linux and MAC

Environmental

- Power Supply: External 115-230 VAC, 50 - 60 Hz , 13 Watt
- Operating Temp: 0C - 40C
- Storage Temp: -10C - 70C
- Operating Humidity: 5% - 90% non-condensing
- Dimensions (W x H x D): 202mm x 50mm x 176 mm
- Weight: 0.5 kg

