

CopperJet 1616^{1,2P}



ADSL2/2+ VoDSL and VoIP IAD

Features and Benefits

- ADSL/ADSL2/2+
- Up to 24 Mbps downstream
- 1 or 2 POTS/PSTN Voice over DSL
- Upgrade to support VoIP (SIPv2)
- Annex A, Annex B, U-R2 support
- User friendly webserver interface
- Active Inbound Call Switching
- QuickStart for easy set-up



CopperJet 1616-1P or 2P

Delivering ADSL/ADSL2 and ADSL2+ enables service providers to offer connections of more than 24 Mbps downstream with the new CopperJet 16xx series.

The benefits of ADSL2/2+ are higher speeds up to 24 Mbps downstream; Low Power Mode (LPM) enables overall power savings by entering into sleep mode when the connection is not being used; Seamless rate adaptation (SRA) enables the system to change the data rate of the connection without any service interruption; Bonding of ADSL lines provides higher data rates; Fast startup reduces initialization time; Reach can be increased with almost 30%.

The CopperJet 1616 is a Voice over ATM Integrated Access Device and can be upgraded to support Voice over IP (SIPv2). It has proven interoperability with several Voice Gateways including Cirpack, Paradyne, TDSOft, Siemens, Zhone and Alcatel. The CJT 1616 supports 1 or 2 POTS/PSTN connections on RJ11 connectors that can be used for telephony (analog phones), fax or PaBX services using its integrated residential exchange functions. Active Inbound Call Switching enables the user to have both his traditional POTS Voice line and the VoDSL line connected to a single POTS telephone (only for VoATM).

Capable of doing ADSL Annex A, Annex B, U-R2, ADSL2 and ADSL2+, the new CopperJet 16xx products from Allied Data Technologies increase the deployment of ADSL in rural areas and fulfill the demand for more bandwidth.

Technical Specifications



LAN Specifications

- Ethernet 10/100 BaseTX RJ45
- USB 1.0 and 1.1 (only for CopperJet 1616-1P)
- Bridging: IEEE 802.1d with spanning tree
- Routing: Default, Static, RIP1, RIP2
- DHCP: Server, Client, Relay

WAN Specifications

- ADSL Annex A RJ11
- ITU-T G.992.1 (G.dmt)
- ITU-T G.992.3 ADSL2 (G.dmt.bis)
- ITU-T G.992.5 ADSL2+ (G.dmt.bis.plus)
- ANSI T1.413 i2
- G.994.1 (G.hs)

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 8 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
- Search for Service TR-037
- Zero Installation PPP Bridge ZIPB

Voice over ATM / Voice over IP

- 1 or 2 x POTS/PSTN FXS (RJ11)
- Active Inbound Call Switching for POTS line
- Lifeline support
- DTMF (tone) dialing
- 600 Ohm impedance
- 2 REN per port
- Internal Ring Source
- Loop Start Signalling
- DTMF Detect and Remove
- ELCP, CAS, CCS signaling
- SIPv2 (RFC 3261), MGCP (RFC 3435), RTP (RFC3550)
- SIP DNS, SIP QoS
- G.711 compression (64Kbps PCM)
- G.726 compression (32Kbps ADPCM)
- G.729ab compression (8Kbps ADPCM)
- G.168 Echo Cancellation
- A-law, u-law encoding
- Fax/Data/Voice detect and support
- Universal CP Tone Detect
- Voice Activity Detect
- Silence Insertion Descriptor (SID)
- Silence Suppression
- Packet Loss Compensation (PLC)
- Caller ID (Transmit/ Receive)
- Caller ID/Call Waiting (Type-1 and 2)
- Flash on/off hook
- 3 Way call

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

Interoperability

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

Visual Indicators

- Power
- LAN: Ethernet
- USB (only for CopperJet 1616-1P)
- WAN: ADSL
- Phone: Phone 1, Phone 2

Product Package

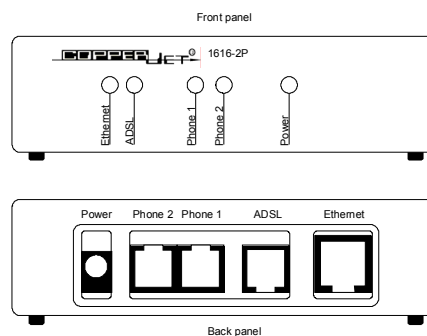
- CopperJet 1616-2p
- RJ45 Ethernet Cross Cable
- USB Cable (only for CopperJet 1616-1P)
- RJ11 Cable
- Installation CD-Rom
- Installation manual on CD
- Power Supply

Operating System

- Ethernet: System independent including Windows Linux and MAC
- USB: Windows 98SE, ME, 2000, XP

Environmental

- Power Supply: External 115-230 VAC, 50 - 60 Hz , 9 Watt
- Operating Temp: 0C - 40C
- Storage Temp: -10C - 70C
- Operating Humidity: 5% - 90% non-condensing
- Dimensions (W x H x D): 120 mm x 40 mm x 170 mm
- Weight: 0.4 kg



Note: On the CopperJet 1616-1P Phone 2 is replaced by an USB interface.