

ADSL2+ Residential Product Family Data sheet

Allied Data
TECHNOLOGIES



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Allied Data Technologies has specialized in the design and manufacturing of Broadband Customer Premises Equipment (CPE) since the late '90's. The "Copperjet" product family is now in its fourth generation and offers, through continuous development, state of the art improved product functionality.

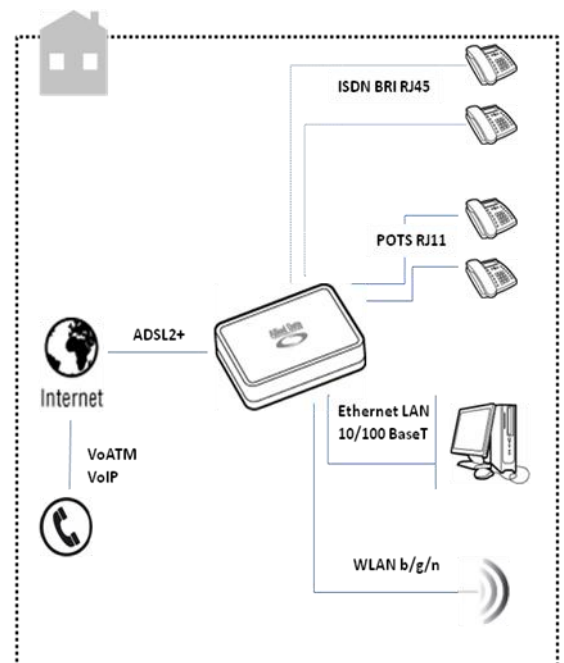
The CopperJet product family offers a complete range of residential ADSL2+ gateway products. From data –only ADSL2+ network termination devices up to fully featured multi-play residential gateways supporting Wireless LAN, Voice over IP and security.

Product Highlights

- Support for ADSL/ADSL2/ADSL2plus
- Support TR-067 and ADSL2plus (WT-100)
- Support U-R2
- Annex A, B, M, I, J, and L support
- Full TR 069 certificated solution for easy provisioning.
- ACS (Automatic Incoming Call Switching to support Life Line POTS migration)
- DSLHome™ compliant
- Easy to use HTML based graphical user interface (GUI) tools (OEM Customizable)
- Stateful packet inspection (SPI) firewall and network address translation (NAT) security solution

The 16xx products continue to support classical Voice implementations over DSL(ATM), service providers can maximize the return on their legacy voice infrastructures with a smooth migration path from ATM (Voice over DSL) to Voice over IP and IMS at their own pace.

The products are tested and have proven interoperability with most of the major ADSL2+ DSLAM vendors.



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ADSL Compliance

Full-rate ANSI T1.413 Issue 2
G.dmt (ITU G.992.1)
G.lite (ITU G.992.2)
G.hs (ITU G.994.1)
DTAG / U-R2, ETSI 101 388
G.dmt.bis (ITU G.992.3)
ADSL2 Annex M (ITU G.992.3 Annex M)
G.dmt.bisplus (ITU G.992.5)
ADSL2+ Annex M (ITU G.992.5 Annex M)

Network Protocols and Features

NAT, static routing and RIP-1/2
NAT supports PAT and multimedia applications
Transparent Bridging
Virtual Server and DMZ
SNTP, DNS relay and DDNS
IGMP snooping and IGMP proxy

Firewall & Virtual Private Network (VPN)

Built-in NAT Firewall
Stateful Packet Inspection (SPI)
Prevents most DoS attacks including Land Attack, Ping of Death, etc.
Remote access control for web base access
Packet and URL filtering
Password protection for system management
VPN pass-through

Quality of Service Control

DiffServ approach
Traffic prioritization based-on IP protocol, port number and address

Wireless LAN *

Compliant with IEEE 802.11g and 802.11b standards
2.4 GHz – 2.484G Hz frequency range
Up to 54 Mbps wireless operation rate
Auto channel select
64/128 bits WEP supported for encryption
Wireless Security with WPA-PSK/WPA2-PSK support
WDS repeater function support

ATM and PPP Protocols

ATM Adaptation Layer Type 5 (AAL5)
Multiple Protocol over AAL5 (RFC 2684, formerly RFC 1483)
Bridged or routed Ethernet encapsulation
VC and LLC based multiplexing
PPP over Ethernet (PPPoE)
PPP over ATM (RFC 2364)
OAM F4/F5

VoIP *

Two or Four RJ-11 FXS ports for connecting to regular telephones
ACS (Automatic Incoming Call Switching)
SIP and MGCP
G.711 A/μ law, and G.729 Audio Codec
Supports Telephony Features:
Call waiting,
Silence suppression,
Voice activity detection (VAD),
Comfort noise generation (CNG),
G.168 line echo cancellation,
Caller ID (Bell 202,V.23)
QoS control
Automatic fallback to PSTN

VoATM *

Similar feature set as VoIP
AAL2
CAS, ELCP and CCS signaling
Optional 1 or 2 ISDN BRI user ports

Management

TR069
WebGUI
Telnet
SNMP v1/v2/v3, MIB-I and MIB-II support
Syslog
DHCP server/client/relay
Mail Alert

Operating Environment

Operating temperature: 0 - 40°C
Storage temperature: -20 - 70°C
Humidity: 5 - 95% non-condensing

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Model	WAN	Ethernet LAN	USB Host/Slave	Voice		ISDN BRI	WLAN
				over ATM/IP	POTS		
1614	ADSL2+	1 x 10/100		ATM		1	
1616	ADSL2+	1 x 10/100		ATM/IP	2		
1622	ADSL2+	4 x 10/100					
1624	ADSL2+	4 x 10/100	Slave	IP		2	
1626	ADSL2+	4 x 10/100	Slave	ATM/IP	4		
2420	ADSL2+	4 x 10/100	Slave				
2440	ADSL2+	4 x 10/100	Host				B/G
2446	ADSL2+	4 x 10/100	Host	IP	2		B/G

Physical dimensions



1614 / 1616 / 1622

Power Supply: External 115-230 VAC, 50 - 60 Hz , 9 Watt

Dimensions (W x H x D): 120 mm x 40 mm x 170 mm

Weight: 0.4 kg



1624 / 1626

Power Supply: External 115-230 VAC, 50 - 60 Hz , 13 Watt

Dimensions (W x H x D): 202mm x 50mm x 176 mm

Weight: 0.5 kg



2420

Power Supply: External 115-230 VAC, 50 - 60 Hz , 10 Watt

Dimensions (W x H x D): 150mm x 30 mm x 105 mm

Weight: 0.4 kg



2440 / 2446

Power Supply: External 115-230 VAC, 50 - 60 Hz , 10 Watt

Dimensions (W x H x D): 60mm x 160mm x 170 mm

Weight: 0.5 kg