

BT Voyager 220v

ADSL VoIP Router with PSTN backup



All-in-one router to share Broadband and make VoIP calls

The BT Voyager 220v is a fully-fledged ADSL router with NAT, DHCP and Firewall features. The BT Voyager 220v is pre-configured to work on UK ADSL lines. In addition, all routing and networking parameters can be configured to match your needs.

The routing capabilities let you make the most of your broadband Internet connection. Everyone can now surf the Internet and play online gaming without having to wait for their turn.

With two integrated VoIP ports, you can also connect your existing telephones and make VoIP calls* without the need for a separate box.



The BT Voyager 220v is a power packed ADSL router with USB and Ethernet connections.

Two VoIP sockets for cheap Broadband VoIP calls*. One PSTN backup socket for seamless use with your standard home phone line.

Built-in firewall can be simply or fully configured to provide protection while on-line.

Pre-configured for UK ADSL services. Future proof with ADSL2+ support up to 24Mbit/s.

Main Features

- Pre-configured to work on UK ADSL lines, including AOL. Fully tested at BT ADSL Lab.
- ADSL2/2+ ready. Supports data rate up to 24 Mbps downstream and 3 Mbps upstream
- 1 x Ethernet 10/100 Mbps socket, auto-sensing
- 1 x USB1.1 socket. Windows 98SE, Me, 2000, XP and MAC OS 10.2.4 and above supported
- Full router functions such as DHCP, NAT, PPPoA/PPPoE and stateful firewall
- High quality ADSL microfilters included (comply with BT SIN 346 v2.2)
- No software to install on computer when using Ethernet socket. Compatible with any operating systems supporting Ethernet
- Ethernet socket suitable for online gaming with X-Box and PS2
- Diagnostics feature to help troubleshooting
- Firmware upgradeable
- Colour coded sockets and cables (TR-068)

Voice over IP Features

- Two VoIP sockets. Compatible with UK telephones (impedance matched to UK spec)
- Support MGCP (RFC2705) or SIP (RFC3261)
- Compatible with BT Broadband Voice Platform, metaswitch VP3500. (Other platforms soon)
- G.711, G.729A codecs support
- Traffic flow control to guarantee voice quality
- PSTN backup feature. One of the VoIP phone can make and receive calls using the standard home phone line
- PSTN backup supports UK caller display and user configurable PSTN access code
- Tone generation DTMF, dial, ring back, busy, ring tones

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Specifications

ADSL Compliance

- Support ANSI T1.413 Issue 2, ITU-T G.992.1 (G.DMT), ITU-T G.992.2 (G.Lite) Annex A
- Support ADSL2/2+ ITU G.992.3, G.992.4, G.992.5
- ADSL: Up to 8 Mbps downstream and up to 1 Mbps upstream operating at DMT full rate connection
- ADSL2+: Up to 24 Mbps downstream and up to 3Mbps upstream

ATM Protocols

- ADSL Physical connection supports ATM AAL5 (ATM Adaptation Layer type 5).
- PPP over ATM (RFC 2364)
- PPP over Ethernet (RFC 2516)
- Support up to 16 PVCs (Virtual Circuits) – UBR/CBR/VBR

Bridge

- Ethernet to ADSL self-learning Transparent Bridging (IEEE802.1d)
- Up to 4096 learning MAC addresses

Internet Access Sharing

- NAT (Network Address Translation)/PAT (Port Address Translation) enables multiple workstations to access the Internet
- NAT may be disabled for business type fixed IP ADSL services

Network Protocols

- IP Routing supports RIP-1 and RIP-2
- DHCP server automatically assigns IP addresses to the workstations
- DHCP server may be disabled for business type fixed IP ADSL services
- Auto DNS Relay
- TCP/IP support
- Multiple VPN – PPTP/L2TP Pass-Through
- UPnP (Internet Gateway Device) with NAT traversal capability
- DMZ Host support, Port Forwarding
- ALG (Application Level Gateway) for NetMeeting, MSN Messenger, Real Player, Quick Time, CuSeeMe, FTP, TELNET, etc

Security

- Password Protected System Management
- User authentication for PPP (PAP/CHAP)
- Stateful packet filtering firewall based on IP address, Port or Protocol
- Protection and detection of Denial of Service

Configuration Management

- LAN/WAN management via Web-based home page browser
- SNMP v1/v2 agent MIB-II and ADSL Line MIB
- Firmware upgrade available from PC or TFTP
- Dual memory image for upgrade failure recovery

Interfaces

- One Asymmetrical Digital Subscriber Line (ADSL) Interface (RJ-11)
- 1 x 10/100 Mbps Ethernet port (RJ-45)
- 1 x USB1.1. USB forum compliant
- Two RJ11 FXS (Adapter for BT plug provided)
- One FXO (PSTN backup)
- 1 hidden button for reset to factory settings

Power Supply

- AC input voltage/Fq: 220V 50/60Hz.
- Output: 12V 1.5A
- Consumption less than 10 Watt

Operating Environment

- Temperature: 0 to 40°C
- Humidity: 20% to 90% (non condensing)
- WEEE & ROHS compliance expected Q1'06

Physical Specifications

- Approx. dimensions (mm):
215 (L) x 170 (W) x 44 (H)