



VDSL2 Home Gateway

# INNBOX V44

**By introducing latest VDSL2 technology, Iskratel brings carrier class high-end networking solution for advanced triple play services, including multiple HDTV channel support over wireless network. VDSL2 Home Gateway Innbox V44 combines VDSL modem and powerful home networking engine in single device. It enables service providers to offer connections of 100 Mbps downstream with the latest VDSL2 technology. Furthermore, Innbox V44 enables multiple profile arrangement to gain symmetrical or asymmetrical connections from CO or remote access module deployments and to provide desired bandwidths even on longer subscriber loops.**

The VDSL2 Home Gateway Innbox V44 supports delivery of all triple play services: internet data, Voice over IP (VoIP) and IP video including bandwidth consuming HDTV. For packet based terminal devices it provides 4 Ethernet ports as well as a 802.11N wireless access point that brings relief to those troublesome wirings.

With embedded firewall and IP sharing technology this Home Gateway delivers secure broadband Internet access to be shared by all connected clients.

## Key Features and Benefits >

Powerfull Home Gateway engine for offering 3Play services on broadband connectivity

Multiple local interface options: Ethernet, WLAN 802.11N 2.4GHz

Real 3Play proven Home Gateway to provide multiple HDTV IP streams

Fully featured Router and Firewall, secure wireless transmitting and authentication

Vectoring support

Line rate routing performance

Support for centralized management node of multiple CPE (e.g. controlled mass remote SW upgrade and auto configuration provisioning), TR-069

## TECHNICAL SPECIFICATIONS

Note: some features are hardware dependant;  
some feature may not be included in dedicated software release.

### WAN Specifications

#### DSL Interface:

- Copper pair loop, 100 ohm line impedance, RJ-11
- Comply with ADSL ITU-T G.992.1 (G.dmt), G.992.2 (G.lite), ANSI T1.413 i2, G.992.3 ADSL2 (G.dmt.bis), G.992.5 ADSL2+ (G.dmt.bis+)
- Comply with VDSL2 ITU-T G.993.2 (DMT), ETSI TS 101-270-1 V1.3.1 and ETSI TS 101-270-2 V1.2.1
- G.998.4 (G.inp) compliant
- G.994 compliant
- Profiles supported 8a, 8b, 8c, 8d, 12a, 12b, 17a
- Support for vectoring ITU-T G.993.5
- Support for 997 and 998 Band plan
- Support for US0 band
- Support for ISDN and POTS complementary services
- Support for Annex A and Annex M

### Local Interface

- 4 port Ethernet 10/100Base-TX (RJ-45)
- Automatic MDI/MDIX crossover, Auto-negotiation and speed-auto-sensing, Half/Full duplex support
- Internal 802.11bgn WLAN Access Point, 2x2 MIMO, 2.4GHz

### Bridging

- Transparent Bridging (IEEE 802.1D)
- RFC2684 (RFC1483) Bridged
- VLAN tagging (IEEE 802.1Q)
- Service based tagging (SBT)
- Supporting QoS (IEEE 802.1p)
- Supporting IP and PPPoE packets filter function
- IGMP transparent snooping
- IGMP forking (optional)
- MTU configuration

### Routing

- IP routing: RIP1, RIP2, and static routing
- RFC2684 (RFC1483) Routed
- PPPoE client
- PPPoE pass-through
- DHCP client, server & relay (RFC2131)
- DDNS client & relay
- IP Multicast IGMP Proxy
- RTP Proxy
- IPv6 support

### Visual Indicators

- Power – indicates power-on status
- DSL – indicates DSL connection status
- Internet – indicates IP connectivity status
- LAN1...LAN4 – indicates LAN connection status
- WLAN – indicates status of WLAN
- WPS – indicates WPS status

### Security & QoS

- NAT (RFC3022) basic Firewall support with extensive ALG support
- Firewall with well known applications setup
- Stateful Inspection
- URL filtering
- Time Scheduler (parental control)
- DMZ/IP pass-through
- VPN pass-through
- ToS/DSCP to CoS mapping
- Denial of Service suppression: ARP, Ping, Ping of Death, Land, SYNC, Smurf, unreachable, teardrop, SYN flood, fraggle, echo
- Bandwidth reservation
- Voice traffic prioritization

### Configuration & Network Management

- UPnP
- DLNA
- Simple port configuration
- DHCP server for IP management
- Telnet for local or remote management
- WEB for firmware upgrade and configuration
- WEB-based configuration and management (multi-level GUI)
- TR-069 data-frame model support, including TR-098, TR-104 and TR-106
- IPERF (optional)
- Encrypted configuration
- Port mirroring
- Buttons: On/Off, WLAN, WPS, Reset

### Wireless

- WiFi Protected Setup (WPS)
- WEP: 64 or 128 bits key length
- WPA/WPA2 (Wi-Fi Protected Access) in PSK mode or using EAP with RADIUS
- Access control list based on MAC address

### Power

- External 115-230 VAC, 50 - 60 Hz, 12VDC 1A
- Power consumption, less than 12W

### Physical dimensions

- 133mm x 187mm x 30mm (W x H x D), weight 320g; housing dimensions and design are subject to change with final production version
- Accessories: splitter, RJ45 cable, RJ11 cable, manual

### Environment

- Operating Temperature: 5°C ~ 40°C, Humidity: 5% ~ 85% (non condensing), compliant with ETSI 300 019-1 –3, Class 3.1
- Storage Temperature: -25°C ~ +55°C, Humidity: 10% ~ 95% (non condensing), compliant with ETSI 300 019-1 –1, Class 1.2
- K.21 protection

### Certification

- CE, CB, RoHS compliant

