

MAGIC-BF

Telsey MAGIC-BF allows Broadband Operators to beat the barrier of home cabling networking for the distribution of High Definition IP TV services inside the house. It combines an ADSL2+ modem router with a Wi-Fi access point based on BeamFlex™ MIMO-G Smart Antenna technology (BeamFlex™ is a trademark of Ruckus Inc.). Unlike off-the-shelf wireless networking products, MAGIC-BF

is designed for broadcast quality video streaming inside the homes with minimal capital, installation and operational cost. The support of a smart card reader gives a more flexible opportunity for the massive deployment of such device, elevating the plug and play experience of the end users thanks to the TR-069 and UPnP supported features.

KEY FEATURES

- » Integrated ADSL2+ modem router
- » Two Ethernet port.
1 USB 1.1 client port.
- » Integrated Wi-Fi Beamflex™ access point (BeamFlex™ is a trademark of Ruckus Inc.) for IPTV over WLAN (live and VOD)
- » QoS management
- » VoIP over WLAN
- » Remote management through TR-069 joined with smart card reader, integrated web page, Telnet, TFTP, DHCP, SNMP, UPnP

BENEFITS

- » No external modem is needed. Multiple user devices (PCs, Set Top Boxes, telephones) can access broadband services through the same DSL lines
- » The superior layer 3 routing features allow service providers to efficiently deliver through existing telephone lines innovative on demand and e-learning within the domestic environment.
- » Enable reliable wireless distribution of entertainment-quality content to any location in the home
- » Provides excellent quality of service into a bundled voice, data and video service environment.
- » Enables fixed to Mobile convergence services
- » Make mass market deployment easy and quick.



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TECHNICAL HIGHLIGHTS

BROADBAND INTERFACE

ADSL/ADSL2/ADSL2+	ANSI T1.413 I2	
Modem Router	ITU Automode G.992.2.G.Lite G.992.1 Annex A and B - G.dmt G.992.3 (ADSL2) G.992.5 (ADSL2+)	Up to 8 PVC UBR, VBR, CBR PPPoE (RFC 2516) , PPPoA (RFC 2364) IpoA MER [a.k.a IP over Ethernet over AAL5] User authentication PAP (RFC 1334) and CHAP (RFC 1994)

DATA

Domestic LAN Interfaces	2 Ethernet ports switch 10/100 BaseT half/full duplex autonegotiating. RJ-45 connectors 1 USB 1.1 device port	
Layer 3	NAT/PAT (RFC 1631) RIPv2 Static routing Firewall	
QoS	ATM and IP QoS management support VLAN 802.1p, 802.1q Port Mapping support between PVCs and Ethernet ports	
Other	DHCP client/server TFTP client	Supports IGMP snooping (RFC 1112) UpnP

IP TV OVER WLAN

Wi-Fi Beamflex™ LAN Access point (BeamFlex™ is a trademark of Ruckus Inc.)	IEEE 802.11b, 802.11g 802.1x WEP/WPA 802.11i WPA2 802.11e QoS	Video Over Wi-Fi supported Multicast IPTV supported VoIP Over WLAN supported 6 internal antennas, Massive diversity of antennas supported
Multicast Video (IPTV)	IGMP Snooping - up to 32 multicast groups - up to 48 receiving groups	Multicast optimization - Directs multicast IPTV packets to each receiving station within the designated multicast group using the optimum data rate and antenna selection - Automatic classification into video queues - Ensures reliable transmission of multicast video packets

MANAGEMENT

TR-069, Integrated Web Server, DHCP client/server, TFTP client, Telnet

POWER SUPPLY

12 Vdc +/- 15%, 10 W
AC/DC adapter 230 Vac, 50 Hz or 110 Vac, 60 Hz provided.

PHYSICAL DIMENSIONS

Width 190mm ; Depth 140mm ; Height 38mm ;
Wall mountable

ENVIRONMENTAL CONDITIONS

Operation temperature : 5-50° C
Storage temperature : 0-70° C
Humidity : 85% (non condensing)

DISCLAIMER:

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