

CPVA600-BF

Telsey's CPVA600-BF allows Broadband Operators to beat the barrier of home cabling networking for the distribution of High Definition IP TV service inside the house. It combines an ADSL2+ modem router with a 2 lines VoIP telephone adapter and 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, CPVA600-BF is designed for broadcast quality video streaming in residential homes with minimal capital, installation and operational cost.

KEY FEATURES

- » Integrated ADSL2+/ADSL2/ADSL modem router
- » Four Ethernet ports for home LAN with superior layer 3 routing features
- » Integrated Wi-Fi Beamflex™ access point (BeamFlex™ is a trademark of Ruckus Inc.) for IPTV over WLAN (live and VOD)
- » Two FXS interfaces to connect analog telephones
- » Two simultaneous voice calls
- » Full choice of VoIP signalling protocols (H323,SIP,MGCP) and codecs (G711,G729,G723)
- » QoS management
- » VoIP over WLAN
- » Remote manageable and upgradable through integrated web page, Telnet, TFTP, DHCP,SNMP, TR-069

BENEFITS

- » No external modem is needed. Multiple user devices (PCs, Set Top Boxes, telephones) can access broadband services through the same DSL lines
- » Service providers can efficiently deliver through existing telephone lines, innovative multimedia services such as VoIP, fast Internet surfing, streaming video, gaming on demand and e-learning within the domestic environment.
- » Enable reliable wireless distribution of entertainment-quality content to any location in the home
- » Preserve user's telephone equipment without the need to add external external VoIP adapter
- » End users benefit from Class 5 supplementary services, fax and modem services over IP network
- » Maximum flexibility for a quick integration with operator's network infrastructure
- » 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 modem integrated compliant with:	<ul style="list-style-type: none"> > ANSI T1.413 I2 > 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 	<ul style="list-style-type: none"> > LLC/SNAP for bridged/routed PDU's (RFC 2684, RFC 1483) > 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)
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VOICE

Simultaneous voice calls	> 2
Analog Interfaces	> 2 x FXS. RJ-11 connectors.
VoIP Protocols	> H.323 v.4, SIP RFC3261, MGCP
Properties	<ul style="list-style-type: none"> > Echo cancellation G.168 > Silence suppression/comfort noise generation
Voice Codecs	> G.711 Alaw/ law , G.729A, G.723.1
Fax over IP Protocols	> T.38 (H.323 annex D)

DATA

Domestic LAN Interfaces	> 3 Ethernet ports switch 10/100 BaseT half/full duplex autonegotiating. RJ-45 connectors
Layer 3	<ul style="list-style-type: none"> > NAT/PAT (RFC 1631) > RIPv2
QoS	> ATM and IP QoS management support
Other	<ul style="list-style-type: none"> > DHCP client/server > TFTP client > Supports IGMP snooping (RFC 1112)

IPTV OVER WLAN

Wi-Fi Beamflex™ LAN Access point (BeamFlex™ is a trademark of Ruckus Inc.)	<ul style="list-style-type: none"> > IEEE 802.11b, 802.11g > 802.1x WEP/WPA > 802.11i WPA2 > 802.11e QoS 	<ul style="list-style-type: none"> > Video Over Wi-Fi supported > Multicast to unicast conversion > VoIP Over WLAN supported > 6 internal antennas, Massive diversity of antennas supported
Multicast Video (IPTV)	IGMP Snooping <ul style="list-style-type: none"> - up to 32 multicast groups - up to 48 receiving stations 	Multicast optimization <ul style="list-style-type: none"> - 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

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)

MANAGEMENT

	> Integrated Web Server, DHCP client/server, TFTP client, Telnet, TR-069
Interoperability	> DSLAM Alcatel, Siemens, Marconi

DISCLAIMER:

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