

## CPVA503W

Telsey CPVA503W is an ADSL2+ Home Gateway setting a new reference for multiplayer operators who provide data, VoIP, IP TV, FMC, gaming and security services to residential and business customers.

Based on an innovative Wi-Fi 802.11 b/g MIMO approach with internal antennas, it allows beating

the barrier of home cabling inside the house for IP TV streaming.

Moreover, CPVA503W supports the unique Telsey Autoinstalling with VoIP forwarding feature that allows to provide the VoIP telephone services to all the phones inside the house without any rewiring of the home telephone network, cutting the related installation costs.

### Key Features

- >> **Integrated ADSL2+ modem router**
- >> **2 Ethernet RJ-45 ports**  
1 USB master port  
1 USB slave port
- >> **1 VoIP call (voice, fax) through POTS RJ-11 FXS interfaces**
- >> **Unique Autoinstalling with VoIP forwarding feature**
- >> **IEEE 802.11b/g access point with internal multiple antennas**
- >> **QoS management**
- >> **Remote Management and Upgrade through TR-069, Telnet, SNMP, TFTP, Web interface**
- >> **UPnP and Wireless Protected Set up**

### Benefits

- >> All in one solution ADSL2+, VoIP, data and Wi-Fi
- >> The superior layer 3 routing features allow service providers to efficiently deliver through existing telephone lines innovative multimedia services such as IP TV, VoIP, fast Internet surfing, gaming on demand and e-learning within the domestic environment.
- >> 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
- >> Terrific installation cost reduction: VoIP telephone services are provided not only through the the integrated DECT basestation but also to all the phones inside the house without any rewiring of the home telephone network, removing any related costs due to technicians.
- >> Using multiple antennas to transmit and receive, IP TV can be streamed through Wi-Fi inside the house, beating the barrier of ethernet cables. Moreover the internal antennas make the device more appealing.
- >> Provides excellent Quality of Services in a bundled voice, data, gaming and video services environment.
- >> Make mass deployment easy and quick.
- >> Connecting Consumer Electronic and Wi-Fi devices is easy and quick, allowing multisharing contents inside the house.



## Technical Characteristics

Broadband Interface	
ADSL/ADSL2/ADSL2+	<ul style="list-style-type: none"> <li>&gt;&gt; ANSI T1.413 I2</li> <li>&gt;&gt; ITU Automode</li> <li>&gt;&gt; G.992.2 G.Lite</li> <li>&gt;&gt; G.992.1 Annex A/Annex B - G.dmt</li> <li>&gt;&gt; G.992.3 (ADSL2)</li> <li>&gt;&gt; G.992.5 (ADSL2+) Annex M and Annex L</li> <li>&gt;&gt; UBR, CBR, rtVBR, nrtVBR</li> <li>&gt;&gt; OAM (F4/F5) supported</li> </ul>
	<ul style="list-style-type: none"> <li>&gt;&gt; Up to 16 PVC</li> <li>&gt;&gt; LLC/SNAP for bridged/routed PDU's (RFC 2684, RFC 1483)</li> <li>&gt;&gt; PPPoE (RFC 2516); PPPoA (RFC 2364)</li> <li>&gt;&gt; User authentication PAP (RFC 1334) and CHAP (RFC 1994)</li> <li>&gt;&gt; IPoA</li> <li>&gt;&gt; Bridge</li> <li>&gt;&gt; MER (VCMUX, LLC/SNAP-Bridging)</li> </ul>
Voice	
	<ul style="list-style-type: none"> <li>&gt;&gt; Integrated VoIP telephone adapter for 1 VoIP call, delivered through 1 FXS port and to all the phones inside the house through Telsey "Autoinstalling with VoIP forwarding"</li> </ul>
FXS Interfaces	<ul style="list-style-type: none"> <li>&gt;&gt; Dial mode supported: DTMF</li> <li>&gt;&gt; Tones: customizable.</li> <li>&gt;&gt; Ringing voltage: 35 Vrms, Sine wave</li> <li>&gt;&gt; Ringing frequency: 25 Hz default (frequency and cadence programmable for each FXS interface)</li> <li>&gt;&gt; REN : 5 per FXS port</li> </ul>
	<ul style="list-style-type: none"> <li>&gt;&gt; On-Hook voltage: 48 V nominal</li> <li>&gt;&gt; Off-hook current: 22 mA (other values programmable)</li> <li>&gt;&gt; Terminating impedance: 600 Ohm default (other impedances programmable)</li> <li>&gt;&gt; Loop Signaling: Loop Start</li> <li>&gt;&gt; Loop length: 200 m max</li> </ul>
VoIP Protocols	H.323 v.4, SIP RFC3261, MGCP
Properties	<ul style="list-style-type: none"> <li>&gt;&gt; Echo cancellation G.168</li> <li>&gt;&gt; Silence suppression/comfort noise generation</li> <li>&gt;&gt; Modem/fax passthrough</li> </ul>
Voice Codecs	G.711, G.729A
Fax over IP Protocols	T.38
Class 5 service	<ul style="list-style-type: none"> <li>&gt;&gt; Generic Signaling</li> <li>&gt;&gt; Call Hold</li> <li>&gt;&gt; Message Waiting</li> </ul>
	<ul style="list-style-type: none"> <li>&gt;&gt; Call Transfer</li> <li>&gt;&gt; Call Waiting</li> <li>&gt;&gt; Call Transfer</li> </ul>
Caller I.D.	Through FSK and DTMF
Data	
Domestic LAN Interfaces	4 Ethernet 10/100 BaseT half/full duplex autonegotiating, RJ-45 connectors 1 USB 1.1 slave port type B receptacle 1 USB 2.0 master port type A receptacle
Layer 3	<ul style="list-style-type: none"> <li>&gt;&gt; NAT/PAT (RFC 1631)</li> <li>&gt;&gt; Static Routing</li> <li>&gt;&gt; RIPv2</li> </ul>
	>> Parental Control
Firewalling	<ul style="list-style-type: none"> <li>&gt;&gt; Access Control List</li> <li>&gt;&gt; Packet filtering</li> <li>&gt;&gt; Application content filtering</li> </ul>
	<ul style="list-style-type: none"> <li>&gt;&gt; Stateful inspection</li> <li>&gt;&gt; DMZ support</li> <li>&gt;&gt; Defence against Denial of Service attacks</li> </ul>
IP VPN	<ul style="list-style-type: none"> <li>&gt;&gt; Encryption algorithm: DES, 3DES</li> <li>&gt;&gt; Authentication algorithm : MD5 , SHA-1</li> <li>&gt;&gt; Encapsulation Security Payload (ESP)</li> </ul>
	<ul style="list-style-type: none"> <li>&gt;&gt; Authentication Header (AH)</li> <li>&gt;&gt; Key Management : IKE, Manual, Pre-shared Keys</li> </ul>
QoS	ATAM and IP QoS supported.
Other	<ul style="list-style-type: none"> <li>&gt;&gt; DHCP server</li> <li>&gt;&gt; TFTP client</li> </ul>
	>> Syslog client
Data	
WLAN Access point	<ul style="list-style-type: none"> <li>&gt;&gt; 3 integrated antennas, 1 for TX, 1 for RX allowing IP TV streaming inside the house</li> <li>&gt;&gt; IEEE 802.11b, IEEE 802.11g</li> <li>&gt;&gt; QoS 802.11e</li> <li>&gt;&gt; WME, WMM</li> <li>&gt;&gt; Support of RTS/CTS</li> <li>&gt;&gt; VoIP over WLAN</li> </ul>
	<ul style="list-style-type: none"> <li>&gt;&gt; EDCF and HCF supported</li> <li>&gt;&gt; Security 802.11i</li> <li>&gt;&gt; WEP64 / WEP128</li> <li>&gt;&gt; WPA / WPA2</li> <li>&gt;&gt; MAC filtering</li> <li>&gt;&gt; WPS supported with registration button</li> </ul>
Management	
	<ul style="list-style-type: none"> <li>&gt;&gt; TR-069</li> <li>&gt;&gt; Remote Telnet console</li> <li>&gt;&gt; SNMP</li> </ul>
	<ul style="list-style-type: none"> <li>&gt;&gt; Integrated Web Server</li> <li>&gt;&gt; Upgradeable via TFTP</li> <li>&gt;&gt; Reset Button</li> </ul>
Power Supply	
	12 VDC, with external power adapter 230 Vac, 50 Hz
Physical Dimensions	
	Width 190mm ; Depth 140mm ; Height 34mm ; Weight 500gr. Wall mountable
Environmental Conditions	
	Operation temperature : 5 - 45°C      Humidity : 85% (non condensing) Storage temperature : -5 - 55°C

## DISCLAIMER:

All statements, technical information and recommendations contained in this documentation have been carefully checked for reliability; however no responsibility is assumed for inaccuracies. The information contained in this documentation is subject to change without notice.