

# CPVA501

Telsey's CPVA501 enables Broadband Operators to easily connect residential and business customers to their ADSL2+ networks and combines a VoIP engine with one Ethernet 10/100 BaseTX port for data connection.

CPVA501 provides also 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 due to technicians.

## KEY FEATURES

- » Integrated ADSL2+ modem router
- » 1 VoIP line (voice, fax) provided through one RJ-11 FXS interface
- » Full choice of VoIP signalling protocols, codecs and remote management solutions
- » Unique Autoinstalling with VoIP forwarding feature
- » 1 Ethernet RJ-45 connector

## BENEFITS

- » All in one solution for ADSL2+, data and VoIP
- » End users can benefit from Class 5 supplementary services, fax and modem services over IP.
- » Maximum flexibility for quick integration with operators' network infrastructure
- » Terrific installation cost reduction: VoIP telephone services are provided to all the phones inside the house without any rewiring of the home telephone network, removing any related costs due to technicians.
- » The superior layer 3 features allow service providers to efficiently bundle VoIP to innovative multimedia services such as fast internet surfing, IP TV, gaming on demand and e-learning within the domestic environment



## CPVA501

## TECHNICAL HIGHLIGHTS

## INTERFACES

ADSL/ADSL2/ADSL2+	<ul style="list-style-type: none"> <li>&gt; ANSI T1.413 I2</li> <li>&gt; ITU Automode</li> <li>&gt; G.992.2 G.Lite</li> <li>&gt; G.992.1 Annex A/Annex B - G.dmt</li> <li>&gt; G.992.3 (ADSL2)</li> <li>&gt; G.992.5 (ADSL2+) Annex M and Annex L</li> <li>&gt; UBR, CBR, rtVBR, nrtVBR</li> <li>&gt; OAM (F4/F5) supported</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Up to 8 PVCs</li> <li>&gt; LLC/SNAP for bridged/routed PDU's (RFC 2684, RFC 1483)</li> <li>&gt; PPPoE (RFC 2516); PPPoA (RFC 2364)</li> <li>&gt; User authentication PAP (RFC 1334) and CHAP (RFC 1994)</li> <li>&gt; IPoA</li> <li>&gt; Bridge</li> <li>&gt; MER (VCMUX, LLC/SNAP-Bridging)</li> </ul>
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## VOICE

	> 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"	
VoIP Protocols	> H.323 v.4, SIP RFC3261, MGCP	
Properties	<ul style="list-style-type: none"> <li>&gt; Echo cancellation G.168</li> <li>&gt; Silence suppression/comfort noise generation</li> <li>&gt; Modem/fax passthrough</li> </ul>	
Voice Codecs	> G.711, G.729A	
Class 5 service	<ul style="list-style-type: none"> <li>&gt; Generic Signaling</li> <li>&gt; Call Hold</li> <li>&gt; Message Waiting</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Call Transfer</li> <li>&gt; Call Waiting</li> <li>&gt; Call Transfer</li> </ul>
Caller I.D.	> Through FSK and and DTMF	
FXS Interface	<ul style="list-style-type: none"> <li>&gt; Dial mode supported: DTMF</li> <li>&gt; Tones: customizable.</li> <li>&gt; Ringing voltage: 35 Vrms, Sine wave</li> <li>&gt; Ringing frequency: 25 Hz default (frequency and cadence programmable for each FXS interface)</li> <li>&gt; REN : 5 per FXS port</li> </ul>	<ul style="list-style-type: none"> <li>&gt; On-Hook voltage: 48 V nominal</li> <li>&gt; Off-hook current: 22 mA (other values programmable)</li> <li>&gt; Terminating impedance: 600 Ohm default (other impedances programmable)</li> <li>&gt; Loop Signaling: Loop Start</li> </ul>

## DATA

LAN Interfaces	> 1 Ethernet 10/100 BaseT half/full duplex autonegotiating, RJ-45 connectors	
Layer 3	<ul style="list-style-type: none"> <li>&gt; NAT/PAT (RFC 1631)</li> <li>&gt; Static Routing</li> <li>&gt; RIPv2</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Parental Control</li> <li>&gt; Firewall</li> <li>&gt; IP VPN passthrough</li> </ul>
QoS	> ATM and IP QoS supported.	
Other	<ul style="list-style-type: none"> <li>&gt; DHCP server</li> <li>&gt; TFTP client</li> </ul>	> Syslog client

## MANAGEMENT

<ul style="list-style-type: none"> <li>&gt; TR-069</li> <li>&gt; Remote Telnet console</li> <li>&gt; SNMP</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Integrated Web Server</li> <li>&gt; Upgradeable via TFTP</li> <li>&gt; Reset and Registration Button</li> </ul>
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## POWER SUPPLY

> 12 VDC, with external power adapter 230 Vac, 50 Hz
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## PHYSICAL DIMENSIONS

> Width 150mm ; Depth 34mm ; Height 140mm ; Weight 500gr.
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## ENVIRONMENTAL CONDITIONS

<ul style="list-style-type: none"> <li>&gt; Operation temperature : 5 - 45° C</li> <li>&gt; Humidity : 85% (non condensing)</li> </ul>	> Storage temperature : -5 - 55° C
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## 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.