

CPVA642WA

Telsey CPVA642WA is an ADSL2+ Home Gateway setting a new reference for broadband operators who provide multiple 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.

KEY FEATURES

- » Integrated ADSL2+ modem router
- » 4 Ethernet RJ-45 ports
 - 1 USB master port
 - 1 USB slave port
- » 2 simultaneous VoIP calls (voice, fax) through POTS RJ-11 FXS interfaces
- » Full choice of VoIP signalling protocols and codecs
- » 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
- » Maximum flexibility for quick integration with operators' network infrastructure
- » 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.



*The 'Wi-Fi CERTIFIED' logo is a certification mark of the Wi-Fi Alliance
The Wi-Fi Protected Setup Mark is a mark of the Wi-Fi Alliance

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TECHNICAL HIGHLIGHTS

BROADBAND INTERFACE

ADSL/ADSL2/ADSL2+	<ul style="list-style-type: none"> > ANSI T1.413 I2 > ITU Automode > G.992.2 G.Lite > G.992.1 Annex A/Annex B - G.dmt > G.992.3 [ADSL2] > G.992.5 [ADSL2+] Annex M and Annex L > UBR, CBR, rtVBR, nrtVBR > OAM (F4/F5) supported > Up to 16 PVC 	<ul style="list-style-type: none"> > LLC/SNAP for bridged/routed PDU s > (RFC 2684, RFC 1483) > PPPoE (RFC 2516); PPPoA (RFC 2364) > User authentication PAP (RFC 1334) and > CHAP (RFC 1994) > IPoA > Bridge > MER (VCMUX, LLC/SNAP-Bridging)
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VOICE

	<ul style="list-style-type: none"> > 2 FXS RJ-11 ports > Up to 2 simultaneous VoIP calls 	
FXS Interfaces	<ul style="list-style-type: none"> > Dial mode supported: DTMF > Tones: customizable. > Ringing voltage: 35 Vrms, Sine wave > Ringing frequency: 25 Hz default (frequency and cadence programmable for each FXS interface) > REN : 5 per FXS port 	<ul style="list-style-type: none"> > On-Hook voltage: 48 V nominal > Off-hook current: 22 mA > [other values programmable] > Terminating impedance: 600 Ohm default [other impedances programmable] > Loop Signaling: Loop Start
VoIP Protocols	<ul style="list-style-type: none"> > H.323 v.4, SIP RFC3261, MGCP 	
Properties	<ul style="list-style-type: none"> > Echo cancellation G.168 > Silence suppression/comfort noise generation > Modem/fax passthrough 	
Voice Codecs	<ul style="list-style-type: none"> > G.711, G.729A 	
Fax over IP Protocols	<ul style="list-style-type: none"> > T.38 	
Class 5 service	<ul style="list-style-type: none"> > Generic Signaling > Call Hold > Message Waiting 	<ul style="list-style-type: none"> > Call Transfer > Call Waiting > Call Transfer
Caller I.D.	<ul style="list-style-type: none"> > Through FSK and and DTMF 	

DATA

Domestic LAN Interfaces	<ul style="list-style-type: none"> > 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"> > NAT/PAT (RFC 1631) > Static Routing 	<ul style="list-style-type: none"> > Parental Control > RIPv2 	
Firewalling	<ul style="list-style-type: none"> > Access Control List > Packet filtering > Application content filtering 	<ul style="list-style-type: none"> > Stateful inspection > DMZ support > Defence against Denial of Service attacks 	
IP VPN	<ul style="list-style-type: none"> > Encryption algorithm: DES, 3DES > Authentication algorithm : MD5 , SHA-1 > Encapsulation Security Payload (ESP) 	<ul style="list-style-type: none"> > Authentication Header (AH) > Key Management : IKE Manual, Pre-shared Keys 	
QoS	<ul style="list-style-type: none"> > ATM and IP QoS supported. 		
Other	<ul style="list-style-type: none"> > DHCP server 	<ul style="list-style-type: none"> > TFTP client 	<ul style="list-style-type: none"> > Syslog client

WIRELESS

	<ul style="list-style-type: none"> > 3 integrated antennas, 1 for TX, 2 for RX allowing IP TV streaming inside the house > IEEE 802.11b, IEEE 802.11g > QoS 802.11e WME, WMM Support of RTS/CTS VoIP over WLAN 	<ul style="list-style-type: none"> > EDCF and HCF supported > Security 802.11i WEP64 / WEP128 WPA / WPA2 MAC filtering WPS supported with registration button
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MANAGEMENT

	<ul style="list-style-type: none"> > TR-069 > Remote Telnet console > SNMP 	<ul style="list-style-type: none"> > Integrated Web Server > Upgradeable via TFTP > Reset Button
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POWER SUPPLY

	<ul style="list-style-type: none"> > 12 VDC, with external power adapter 230 Vac, 50 H > Switch on-off button
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PHYSICAL DIMENSIONS

	<ul style="list-style-type: none"> > Width 190mm Depth 140mm Height 34mm Weight 500gr. > Wall mountable
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ENVIRONMENTAL CONDITIONS

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