

CPVAW AND CPVAW600

Telsey's CPVAW and CPVA600W allow Broadband Network Operators to easily connect residential customers to their ADSL networks and combine traditional Ethernet 10/100 BaseTX interfaces for the home LAN with an IEEE 802.11b/g wireless access point

Telsey's CPVAW and CPVA600W are intended for the delivery of Fast Internet, Voice over IP services and IP video services.

KEY FEATURES

- >> Integrated ADSL/ADSL2/ADSL2+ modem/router
- >> Three (for CPVAW) and Four (for CPVA600W) Ethernet ports for home LAN with superior layer 3 routing features.
- >> Integrated IEEE 802.11b/g access point
- >> Two FXS interfaces to connect analog telephones
- >> Two simultaneous VoIP call
- >> Full choice of VoIP signalling protocols (H323, SIP, MGCP) and codecs (G.711, G.729A, G.723)
- >> QoS Management
- >> Remotely manageable and upgradable through an integrated web page, Telnet, TFTP, DHCP,SNMP, TR-069

BENEFITS

- >> No external ADSL Modem is needed. Multiple user devices (PCs, Set Top Boxes, telephones) can access broadband services through the same DSL line.
- >> Service providers can efficiently deliver through existing telephone lines, multimedia services such as VoIP, fast Internet surfing, streaming video, gaming on demand and e-learning within the domestic environment.
- >> Wireless home LAN gives customers full mobility inside the house and can avoid new cabling.
- >> Preserve users' current telephone equipment without the need to add expensive external VoIP adapters.
- >> End users benefit from Class 5 supplementary services, fax and modem services over IP networks.
- >> Maximum flexibility for a quick integration with operators' network infrastructure.
- >> Provides excellent quality of service into a bundled voice,data and video service environment..
- >> Make mass market easy and quick.



TYPICAL APPLICATIONS

Customers enjoy the benefits of having both wireless LAN together with traditional Cat.5 cabling. The wireless access point gives the possibility to easily and contemporarily manage dozens of remote terminals while providing the maximum security through the support of 802.11i.

CPVAW AND CPVA600W

TECHNICAL HIGHLIGHTS

BROADBAND INTERFACE

- > ADSL integrated modem compliant with:
 - > ANSI T1.413 I2
 - > ITU Automode
 - > G.992.2 G.Lite
 - > G.992.1 Annex A/Annex B- G.dm
 - > G.992.3 [ADSL2]
 - > G.992.5 [ADSL2+]
 - > Up to 8 PVC UBR, VBR, CBR
- > 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)

VOICE

Simultaneous Voice Calls	> 2
Analog Interfaces	<ul style="list-style-type: none"> > 2 x FXS. RJ -11 connectors. > 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
VoIP Protocols	> H.323 v.4, SIP (RFC 3261), MGCP
Properties	<ul style="list-style-type: none"> > Echo cancellation G.168 > Silence suppression/comfort noise generation
Voice Codecs	<ul style="list-style-type: none"> > G.711 Alaw/ Ulaw, G.729A > G.723.1
Fax over IP Protocols	> T.38
Other	> Autoinstalling feature with VoIP Forwarding

CLASS 5 SERVICES

H323, SIP, MGCP	<ul style="list-style-type: none"> > Generic Signaling > Call Hold > Message Waiting > Call Transfer (Unconditional, on Busy, on No Reply)
Caller I.D.	> V.23 Modem and DTMF transmitter on board

DATA

Domestic LAN Interfaces	> 3 (for CPVAW) and 4 (for CPVA600W) Ethernet port switch 10/ 100 BaseT half/ full duplex autonegotiating. RJ-45 connectors
Layer 3	<ul style="list-style-type: none"> > NAT/ PAT (RFC 1631) > RIPv2r
QoS	> ATM and IP QoS management support
Other	> DHCP client/server, TFTP Client, Supports IGMP snooping (RFC 1112)
WLAN Access Point	<ul style="list-style-type: none"> > Compliant with IEEE 802.11, IEEE 802.11b, I > IEEE 802.11g > WPA certified > Support of QoS mechanism i.e. 802.11e [WME]

MANAGEMENT

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

POWER SUPPLY

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

PHYSICAL DIMENSIONS

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

ENVIRONMENTAL CONDITIONS

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

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.