

# CPV4 AND CPV4W

**Telsey CPV4 and CPV4W are the Integrated Access devices that allow broadband operators to deploy innovative 3 play services through Ethernet to the Home (ETTH) approach.**

Installed at the premises of residential or small office end users, they enable the deployment of innovative services like IP High Definition TV, fast internet access, gaming application and VoIP.

## KEY FEATURES

- >> Ethernet 10/100T WAN Interface
- >> Four Ethernet Ports
- >> Integrated IEEE 802.11b/g access point (for CPV4W)
- >> QoS Management
- >> VoIP over WLAN
- >> Remote management through TR-069 joined with a smart card reader, integrated web page, Telnet, TFTP, DHCP, SNMP and UPnP.

## BENEFITS

- >> Easy connection to external Fiber Optic media converter and modems
- >> The superior Layer 2 switching and Layer 3 routing features allow Service Providers to efficiently deliver through fiber optic
- >> Wireless Home LAN gives customers full mobility inside the house, thus avoiding new cabling. The device is ready for MIMO-G Beamflex™ (supported by CPV-BF)
- >> Provides excellent Quality of Service into bundled Voice, Data and Video service environment.
- >> Enables Fixed to Mobile convergence Services
- >> Make mass market deployment easy and quick



## CPV4 AND CPV4W

## TECHNICAL HIGHLIGHTS

## BROADBAND INTERFACE

> 1 Ethernet port 10/100 BaseT half/full duplex autonegotiating. RJ-45 connectors

## DATA

Domestic LAN Interfaces > 4 Ethernet ports switch 10/100 BaseT half/full duplex autonegotiating. RJ-45 connectors

Layer 3 > NAT/PAT (RFC 1631) > Firewall  
> RIPv2 > IP VPN  
> Static routing

QoS > IP QoS management support  
> VLAN 802.1p, 802.1q

Other > DHCP client/server  
> TFTP client  
> Supports IGMP snooping (RFC 1112)  
> UpnP

WLAN Access Point > IEEE 802.11b, IEEE 802.11g > Multiple SSID  
> QoS 802.11e > VoIP over WLAN supported  
- WME, WMM > Ready for MIMO-G Beamflex™  
- Support of RTS/CTS protection mechanism (supported by CPV-BF)  
- EDCF and HCF supported > Registration button  
> Security 802.11i  
- WEP  
- WPA  
- MAC filtering

## VOICE

Simultaneous voice calls > 2

Analog Interfaces > 2 x FXS. RJ-11 connectors. > REN : 5 per FXS port  
> Dial mode supported: DTMF > On-hook voltage: 48 V nominal  
> Tones: customizable. > Off-hook current: 22 mA nominal  
> Ringing voltage: 35 Vrms, Sine wave (other values programmable)  
> Ringing frequency: 25 Hz default > Terminating impedance: 600 Ohm default  
(frequency and cadence programmable for each FXS interface) (other impedances programmable)  
> Loop Signaling: Loop Start

VoIP Protocols > H.323 v.4, SIP RFC3261, MGCP

Properties > Echo cancellation G.168  
> Silence suppression/comfort noise generation  
> Modem/fax passthrough

VoIP Codecs > G.711 Alaw/Ulaw  
> G.729A  
> G.723.1

Fax over IP Protocols > T.38

Others > Dial Plan customizable.

## CLASS 5 SERVICES

H323, SIP, MGCP > Generic Signaling > Call Transfer  
> Call Hold > Call Waiting  
> Message Waiting > 3 way conference  
> Call Transfer (Unconditional, on Busy, on No Reply)

Caller I.D. > V.23 Modem and DTMF transmitter on board

## MANAGEMENT

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

## 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 > Humidity: 85% (non condensing)  
> Storage temperature: 0 - 70 °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.