

CPV642W & CPV642

Telsey CPV642W and CPV642 are the Integrated Access devices that allow broadband operators to deploy innovative multi 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, security, VoIP and Fixed to Mobile Convergence.

Based on an innovative Wi-Fi 802.11 b/g MIMO approach with internal antennas, they allow beating the barrier of home cabling inside the house for IP TV streaming.

KEY FEATURES

- » Ethernet 10/100T WAN interface
- » 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 (for CPV642W version) with internal multiple antennas; ready for 802.11n
- » QoS management
- » Remote Management and Upgrade through TR-069, Telnet, SNMP, TFTP, Web interface
- » UPnP and Wireless Protected Set up

BENEFITS

- » Easy connection to external media converters and modems
- » 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.



CPV642W & CPV642

TECHNICAL HIGHLIGHTS

BROADBAND INTERFACE

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

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 > Loop length: 200 m max
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 : IKM(Manual, Pre-shared Keys)
QoS	<ul style="list-style-type: none"> > VLAN 802.1P 	<ul style="list-style-type: none"> > IP QoS supported.
Other	<ul style="list-style-type: none"> > DHCP server > TFTP client > Syslog client 	<ul style="list-style-type: none"> > IGMP V2 > UPnP

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 > GoS 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 |
|--|---|

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 |
|--|--|

POWER SUPPLY

- > 12 VDC, with external power adapter 230 Vac, 50 H

PHYSICAL DIMENSIONS

- > Width 190mm Depth 140mm Height 34mm Weight 500gr.
- > Wall mountable

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) |
|--|--|

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.