

CPHOME

CPHome residential gateway goes beyond the triple play model and bridges the broadband network with home appliances, light control, security and safety systems, electricity, gas and water meters. CPHome enables the introduction of new home control services that represent new incomes for broadband operators' profitable growth and gives end users the opportunity to enjoy such services together with all the benefits of broadband services.

Telsey's CPHome allows end users to monitor and control their Z-Wave equipment from remote (from the office, for example). In the meantime, CPHome is a powerful ADSL2 Plus Router, a WiFi Access Point, an Ethernet three port Switch and is ready for Voice over IP applications. The same features are also available for the optical 100 Mbps version.

KEY FEATURES

- » Integrated ADSL2+, ADSL2, ADSL modem
- » Three Ethernet ports for home LAN with superior layer 3 routing features
- » Integrated IEEE 802.11b/g access point
- » Z-Wave Controller on board
- » Two simultaneous voice calls
- » Full choice of VoIP signalling protocols (H323,SIP,MGCP) and codecs (G711,G729,G723)
- » Two FXS interfaces to connect analog telephones
- » QoS management

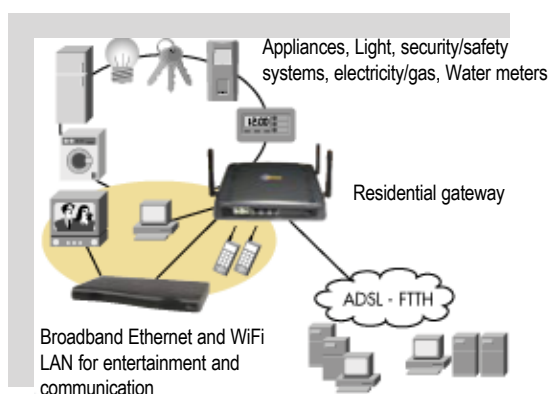
BENEFITS

- » No external ADSL modem is needed. Multiple user devices (PCs, Set Top Boxes, telephones) can access broadband services through the same DSL lines.
- » Service Providers can efficiently deliver, through existing telephone lines, innovative multimedia services such as Voice over IP (VoIP), fast Internet Surfing, Streaming Video (Multicast, Video on Demand), Gaming on Demand and elearning within the domestic environment.
- » Wireless home LAN gives customers the full mobility inside the house and can avoid new cabling.
- » Bridges broadband and home control LAN.
- » Home customers can benefit from Class 5 Supplementary Services, FAX and modem services over IP networks.
- » Maximum flexibility for a quick integration with operators' network infrastructure.
- » Preserve users' current telephone equipment without the need to add expensive external VoIP adapters.
- » Provides excellent quality of service into a bundled voice, data and video service environment.

POSSIBLE APPLICATIONS

- » Automatic Meter Reading
- » Light control
- » User Remote Control (via Internet) of any Z-Wave equipment
- » Remote configuration of Z-Wave Nodes
- » Integrated broadband/narrowband applications (i.e. video surveillance)
- » Access to security and safety systems

CPHome integrates a WAN interface (ADSL/ADSL2 Plus and optical Fast Ethernet) with a wired and wireless home LAN (Ethernet, WiFi IEEE 802.11b/g, Z-Wave) allowing the deployment of services such as Voice over IP, router, firewall and VPN, Z-Wave controller.



TECHNICAL HIGHLIGHTS

BROADBAND INTERFACE

ADSL modem integrated compliant with:	<ul style="list-style-type: none"> > ANSI T1.413 I2 > ITU Automode > G.992.2.GLite > G.992.1 Annex A, Annex B - G.dmt > G.992.3 (ADSL2) > G.992.5 (ADSL2+) > Up to 8 PVC UBR, VBR, CBR 	<ul style="list-style-type: none"> > 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)
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VOICE

Simultaneous voice calls	> 2	
Analog Interfaces	> 2 x FXS. RJ -11 connectors	
VoIP Protocols	> 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 pass through
Voice Codecs	> G.711 Alaw/ilaw , G.729A , G.723.1	
Fax over IP Protocols	> T.38	
Others	<ul style="list-style-type: none"> > Autodetection of cut-over > Dial Plan customizable 	

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) 	<ul style="list-style-type: none"> > Call Transfer > Call Waiting > 3 way conference
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DATA

Domestic LAN Interfaces	> 3 Ethernet ports switch 10/100 BaseT half/full duplex autonegotiating. RJ-45 connectors	
Z-Wave Network	<ul style="list-style-type: none"> > Fc:868.42 MHz > Modulation: FSK (Fc +/- 25 kHz) > Bit rate: 9.6 kbps 	<ul style="list-style-type: none"> > Maximum output power: 5 dBm > Sensitivity: -94 dBm > EN 300 220-3 compliant
Layer 3	<ul style="list-style-type: none"> > NAT/PAT (RFC 1631) > RIPv2 	<ul style="list-style-type: none"> > User authentication PAP (RFC 1334) and CHAP (RFC 1994)
QoS	> ATM and IP QoS management support	
Other	<ul style="list-style-type: none"> > 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, IEEE 802.11g > WPA supported > Support of Qos mechanism i.e. 802.11e (WME) 	<ul style="list-style-type: none"> > 8 Traffic Category levels managed, EDCF low priority and HCF high priority > Support of 802.11i > WiFi certification

POWER SUPPLY

	<ul style="list-style-type: none"> > 12 Vdc +/- 15%, 10 W > AC/DC adapter 230 Vac, 50 Hz or 110 Vac, 60 Hz provided.
Intreoperability	> DSLAM Alcatel Siemens Marconi

PHYSICAL DIMENSIONS

- > Width 150mm; Depth 140mm; Height 38mm;
- > Wall mountable

ENVIRONMENTAL CONDITIONS

- > Operation temperature : 5-50° 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.