

# DCA2+

Telsey's Dect Cordless ADSL Adapter (DCA2+) is a DECT Cordless telephone that allows Broadband Operators to easily connect residential and business users to their ADSL/ADSL2/ADSL2+ networks providing innovative and cost effective VoIP telephone services.

Thanks to the DECT phone bundled into DCA2+ and its attractive design, telephone companies leveraging on VoIP and ADSL technologies can reinforce their brand recognition campaign towards the main telephone services they are providing.

Besides the inhouse mobility provided by the bundled DECT phone, DCA2+ supports also the unique Telsey Autoinstalling with VoIP forwarding feature that allows to provide the VoIP telephone services to all the phones inside the house without any rewiring of the home telephone network, cutting the related installation costs due to technicians.

1 Ethernet, 1 USB slave interface and Wi-Fi (as an option) provided by DCA2+ also enable operators to bundle broadband data to their telephone services, enabling a new source of revenue to the one provided by VoIP services.

## KEY FEATURES

- » Attractive DECT GAP cordless phone integrated with an ADSL2+ modem router
- » 1 VoIP call (voice, fax) provided through a bundled DECT GAP phone
- » Integrated DECT GAP basestation
- » Full choice of VoIP signalling protocols, codecs and remote management solutions
- » Unique Autoinstalling with VoIP forwarding feature
- » 1 Ethernet RJ-45 connector, 1 USB slave port and Wi-Fi (as an option)

## BENEFITS

- » All in one solution for ADSL2+, data and VoIP
- » Enhancing the brand recognition of the operator as a telephone service provider
- » Allows to include additional DECT GAP phones to get VoIP services
- » Maximum flexibility for quick integration with operators' network infrastructure
- » Terrific installation cost reduction: VoIP telephone services are provided not only through the integrated DECT basestation but also to all the phones inside the house without any rewiring of the home telephone network, removing any related costs due to technicians.
- » The superior layer 3 features allow service providers to efficiently bundle VoIP to innovative multimedia services such as fast internet surfing, IP TV, gaming on demand and e-learning within the domestic environment



## TECHNICAL HIGHLIGHTS

## BROADBAND INTERFACE

ADSL/ADSL2/ADSL2+	<ul style="list-style-type: none"> <li>&gt; ANSI T1.413 I2</li> <li>&gt; ITU Automode</li> <li>&gt; G.992.2 G.Lite</li> <li>&gt; G.992.1 Annex A/Annex B - G.dmt</li> <li>&gt; G.992. 3 (ADSL2)</li> <li>&gt; G.992. 5 (ADSL2+) Annex M and Annex L</li> <li>&gt; UBR, CBR, rtVBR, nrtVBR</li> <li>&gt; OAM (F4/F5) supported</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Up to 8 PVCs</li> <li>&gt; LLC/SNAP for bridged/routed PDU's (RFC 2684, RFC 1483)</li> <li>&gt; PPPoE (RFC 2516); PPPoA (RFC 2364)</li> <li>&gt; User authentication PAP (RFC 1334) and CHAP (RFC 1994)</li> <li>&gt; IPoA</li> <li>&gt; Bridge</li> <li>&gt; MER (VCMUX, LLC/SNAP-Bridging)</li> </ul>
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## VOICE

	<ul style="list-style-type: none"> <li>&gt; Integrated VoIP telephone adapter for 1 VoIP call, delivered through an integrated DECT GAP basestation and to all the phones inside the house through Telsey "Autoinstalling with VoIP forwarding"</li> </ul>	
VoIP Protocols	<ul style="list-style-type: none"> <li>&gt; H.323 v.4, SIP RFC3261, MGCP</li> </ul>	
Properties	<ul style="list-style-type: none"> <li>&gt; Echo cancellation G.168</li> <li>&gt; Silence suppression/comfort noise generation</li> <li>&gt; Modem/fax passthrough</li> </ul>	
Voice Codecs	<ul style="list-style-type: none"> <li>&gt; G.711, G.729A</li> </ul>	
Class 5 service	<ul style="list-style-type: none"> <li>&gt; Generic Signaling</li> <li>&gt; Call Hold</li> <li>&gt; Message Waiting</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Call Transfer</li> <li>&gt; Call Waiting</li> <li>&gt; Call Transfer</li> </ul>
Caller I.D	<ul style="list-style-type: none"> <li>&gt; Through FSK and and DTMF</li> </ul>	
Integrated DECT GAP Basestation	<ul style="list-style-type: none"> <li>&gt; GAP compatible</li> <li>&gt; Up to 5 DECT GAP handsets</li> <li>&gt; 2 Intercom (+ 1 external)</li> </ul>	
DECT GAP phone	<ul style="list-style-type: none"> <li>&gt; Headset and Speakerphone</li> <li>&gt; Changing Ringing Sounds</li> <li>&gt; Pre-Dialing</li> </ul>	
FXS Interface (available only with AnnexB version)	<ul style="list-style-type: none"> <li>&gt; Dial mode supported: DTMF</li> <li>&gt; Tones: customizable.</li> <li>&gt; Ringing voltage: 35 Vrms, Sine wave</li> <li>&gt; Ringing frequency: 25 Hz default (frequency and cadence programmable for each FXS interface)</li> <li>&gt; REN : 5 per FXS port</li> </ul>	<ul style="list-style-type: none"> <li>&gt; On-Hook voltage: 48 V nominal</li> <li>&gt; Off-hook current: 22 mA (other values programmable)</li> <li>&gt; Terminating impedance: 600 Ohm default (other impedances programmable)</li> <li>&gt; Loop Signaling: Loop Start</li> </ul>

## DATA

LAN Interfaces	<ul style="list-style-type: none"> <li>&gt; 1 Ethernet 10/100 BaseT half/full duplex autonegotiating, RJ-45 connectors</li> <li>&gt; 1 USB 1.1 slave port type B receptacle</li> </ul>		
Layer 3	<ul style="list-style-type: none"> <li>&gt; NAT/PAT (RFC 1631)</li> <li>&gt; Static Routing</li> <li>&gt; RIPv2</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Parental Control</li> <li>&gt; Firewall</li> <li>&gt; IP VPN passthrough</li> </ul>	
QoS	<ul style="list-style-type: none"> <li>&gt; ATM and IP QoS supported.</li> </ul>		
Other	<ul style="list-style-type: none"> <li>&gt; DHCP server</li> </ul>	<ul style="list-style-type: none"> <li>&gt; TFTP client</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Syslog client</li> </ul>

## WIRELESS

WLAN Access point (available as an option)	<ul style="list-style-type: none"> <li>&gt; 1 integrated antenna</li> <li>&gt; IEEE 802.11b, IEEE 802.11g</li> <li>&gt; GoS 802.11e <ul style="list-style-type: none"> <li>&gt; WME, WMM</li> <li>&gt; Support of RTS/CTS</li> </ul> </li> <li>&gt; VoIP over WLAN</li> </ul>	<ul style="list-style-type: none"> <li>&gt; EDCF and HCF supported</li> <li>&gt; Security 802.11i</li> <li>&gt; WEP64 / WEP128 <ul style="list-style-type: none"> <li>&gt; WPA / WPA2</li> <li>&gt; MAC filtering</li> </ul> </li> <li>&gt; WPS supported with registration button</li> </ul>
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## MANAGEMENT

	<ul style="list-style-type: none"> <li>&gt; TR-069</li> <li>&gt; Remote Telnet console</li> <li>&gt; SNMP</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Integrated Web Server</li> <li>&gt; Upgradeable via TFTP</li> <li>&gt; Reset and Registration Button</li> </ul>
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## POWER SUPPLY

	<ul style="list-style-type: none"> <li>&gt; 12 VDC, with external power adapter 230 Vac, 50 Hz</li> </ul>
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## PHYSICAL DIMENSIONS

	<ul style="list-style-type: none"> <li>&gt; Width 150mm ; Depth 34mm ; Height 140mm ; Weight 500gr.</li> </ul>
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## ENVIRONMENTAL CONDITIONS

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