

GADA2+W - GADA2+

Telsey GADA2+W is an Integrated Access Device that combines an ADSL2+ modem router, a firewall and a wireless LAN with a powerful VoIP engine, allowing to efficiently deliver data, security, VoIP and Fixed to Mobile Convergence services to Small Office Home Office users. Thanks to GADA2+W, end users preserve their analog PBXs and telephones getting the low cost VoIP services provided by broadband operators.

At the same time, telecom operators deliver distinctive bundling of data and telephone services, making their offer more attractive and getting a better retention of their customers.

KEY FEATURES

- » Integrated ADSL2+ modem router
- » 4 simultaneous calls (voice, fax)
- » Full choice of VoIP signalling protocols and codecs
- » 4 FXS interfaces where analog telephones or PBX can be connected
- » 4 Ethernet Ports for user's LAN, with excellent layer 3 routing and firewalling features.
- » Integrated IEEE 802.11b/g access point (GADA2+W model)
- » IP VPN support
- » QoS management
- » Remote Management and Upgrade system through Telnet, SNMP, TFTP, Web interface

BENEFITS

- » No External ADSL2+ modem is needed
- » Customers can benefit from Class 5 Supplementary Services, FAX and modem services over IP
- » Maximum flexibility for quick integration with operators' network infrastructure
- » Preserve users' current telephones and PBX equipments without the need to add external VoIP adapters.
- » Service providers can efficiently deliver data services within the SOHO/SME environment.
- » Wireless home LAN gives customers the full mobility inside the house, enabling Fixed to Mobily Convergence services.
- » Allow secure remote connections between main and branch or home offices through Internet.
- » Provides excellent Quality of Services in a bundled voice, data and video services environment.
- » Make mass deployment easy and quick.



GADA2+W - GADA2+**TECHNICAL HIGHLIGHTS****BROADBAND INTERFACE**

ADSL/ADSL2/ADSL2+	<ul style="list-style-type: none"> > ANSI T1.413 I2 > ITU Automode > G.992.2 G.Lite > G.992.1 Annex A/Annex B - G.dmt > G.992.3 (ADSL2) > G.992.5 (ADSL2+) > Up to 8 PVC 	<ul style="list-style-type: none"> > LLC/SNAP for bridged/routed PDU's (RFC 2684, RFC 1483) > PPPoE (RFC 2516) > PPPoA (RFC 2364) > User authentication PAP (RFC 1334) and CHAP (RFC 1994)
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VOICE

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 > nominal (other values programmable) > Terminating impedance: 600 Ohm default (other impedances programmable) > Loop Signaling: Loop Start > Loop length: 200 m max
VoIP Protocols	> H.323 v.4, SIP, ready for MGCP	
Properties	<ul style="list-style-type: none"> > Echo cancellation G.168 > Silence suppression/comfort noise generation > Modem/fax passthrough 	
Voice Codecs	> G.711, G.729, G.723	
Fax over IP Protocols	> T.38	

CLASS 5 SERVICES

	<ul style="list-style-type: none"> > Generic Signaling > Call Hold > Message Waiting 	<ul style="list-style-type: none"> > Call Transfer > Call Transfer > Call Waiting
Caller I.D.	> V.23 Modem and DTMF transmitter on board	
Other	> Call Hunting	

DATA

Domestic LAN Interfaces	<ul style="list-style-type: none"> > 4 Ethernet 10/100 BaseT half/full duplex autonegotiating. > RJ-45 connectors 		
Layer 3	<ul style="list-style-type: none"> > NAT/PAT (RFC 1631) > Static Routing 	<ul style="list-style-type: none"> > RIPv2 > BGP 	<ul style="list-style-type: none"> > OSPF
Firewalling	<ul style="list-style-type: none"> > Access Control List > Packet filtering > Application content filtering 		
IP VPN	<ul style="list-style-type: none"> > Encryption algorithm: DES, 3DES > Authentication algorithm: MD5, SHA-1 > Encapsulation Security Payload (ESP) 		
QoS	<ul style="list-style-type: none"> - Port prioritization - IEEE 802.1p 	<ul style="list-style-type: none"> - DSCP/TOS - Custom queueing 	<ul style="list-style-type: none"> - Prioritization of VoIP packets towards data packets
Other	<ul style="list-style-type: none"> > DHCP server > TFTP client 		
WLAN Access point	<ul style="list-style-type: none"> > IEEE 802.11b, IEEE 802.11g > QoS 802.11e - WME, WMM - Support of RTS/CTS protection mechanism - EDCA and HCF supported 		
	<ul style="list-style-type: none"> > Security 802.11i - WEP - WPA - MAC filtering > VoIP over WLAN 		

MANAGEMENT

	<ul style="list-style-type: none"> > Agent SNMP v.2 > Remote Telnet console > Local RS232 console 	<ul style="list-style-type: none"> > Integrated Web Server > Upgradeable via TFTP
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POWER SUPPLY

	> 230 Vac, 50 Hz (110 Vac, 60 Hz provided on request)
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PHYSICAL DIMENSIONS

	<ul style="list-style-type: none"> > Width 300mm; Depth 158 mm; Height 46 mm; Weight 740gr. > Wall mountable
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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)
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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.