

GADAM2+ AND GADAM2+W

Telsey GADAM2+W and GADAM2+ allow to efficiently deliver data, security, VoIP and Fixed to Mobile Convergence services to Small Office Home Office users, providing an ADSL2+ modem router, integrated with a powerful VoIP engine, a firewall and a wireless LAN.

Thanks to GADAM2+W and GADAM2+, end users preserve their ISDN or analog PBX 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
- » 2 ISDN BRI and 2 FXS interfaces where PBXs or telephones can be connected
- » 6 simultaneous VoIP calls (voice, fax)
- » Full choice of VoIP signalling protocols and codecs
- » 4 Ethernet Ports for user's LAN, with excellent layer 3 routing and firewalling features.
- » Integrated IEEE 802.11b/g access point (GADAM2+W model)
- » IP VPN support
- » QoS management
- » Remote Management and Upgrade system through Telnet, SNMP, TFTP, Web interface

BENEFITS

- » All in one solution ADSL2+, VoIP, data and Wi-Fi
- » Preserve users' current telephones and PBX equipments without
- » Customers can benefit from Class 5 Supplementary Services, FAX and modem services over IP
- » Maximum flexibility for quick integration with operators' network infrastructure.
- » 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.



GADAM2+ AND GADAM2+W

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+) > UBR, CBR, rtVBR, nrtVBR > OAM (F4/F5) supported 	<ul style="list-style-type: none"> > Up to 8 PVC > LLC/SNAP for bridged/routed PDU's (RFC 2684, RFC 1483) > PPPoA (RFC 2364); PPPoE (RFC 2516) > User authentication PAP (RFC 1334) and CHAP (RFC 1994) > IPoA ; Bridge > MER (VCMUX, LLC/SNAP-Bridging)
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VOICE

	<ul style="list-style-type: none"> > 2 ISDN BRI RJ-45 interfaces > 2 FXS RJ-11 ports 	<ul style="list-style-type: none"> > Up to 6 simultaneous VoIP calls
FXS Interfaces	<ul style="list-style-type: none"> > On-Hook voltage: 48 V nominal > Tones: customizable. > Frequency and cadence programmable for each FXS interface 	<ul style="list-style-type: none"> > Off-hook current: 22 mA > nominal (other values programmable) Terminating impedance: 600 Ohm > default (other impedances programmable)
ISDN BRI Interfaces	<ul style="list-style-type: none"> > Interface BRI S/T layer 1 > ETSI ETS 300 012 ITU-T I.430 compliant > Power feed 41V +/-5% (100mA max, 4W) 	<ul style="list-style-type: none"> > Bearer services 64kbps speech circuit mode > Protocols : network interface for layer 2 data link LAPD, network interface for layer 3 call control Euro-ISDN
VoIP Protocols	<ul style="list-style-type: none"> > 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	<ul style="list-style-type: none"> > G.711, G.729, G.723 	
Fax over IP Protocols	<ul style="list-style-type: none"> > 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.	<ul style="list-style-type: none"> > V.23 Modem and DTMF transmitter on board 	
Other	<ul style="list-style-type: none"> > Call Hunting 	<ul style="list-style-type: none"> > BRI grouping

DATA

Domestic LAN Interfaces	<ul style="list-style-type: none"> > RJ-45 connectors: 4 Ethernet 10/100 BaseT half/full duplex autonegotiating. 		
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 > DMZ support
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: IKE, Manual, Pre-shared Keys 	
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 	<ul style="list-style-type: none"> > 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 - EDCF 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

<ul style="list-style-type: none"> > 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. 	<ul style="list-style-type: none"> > 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.