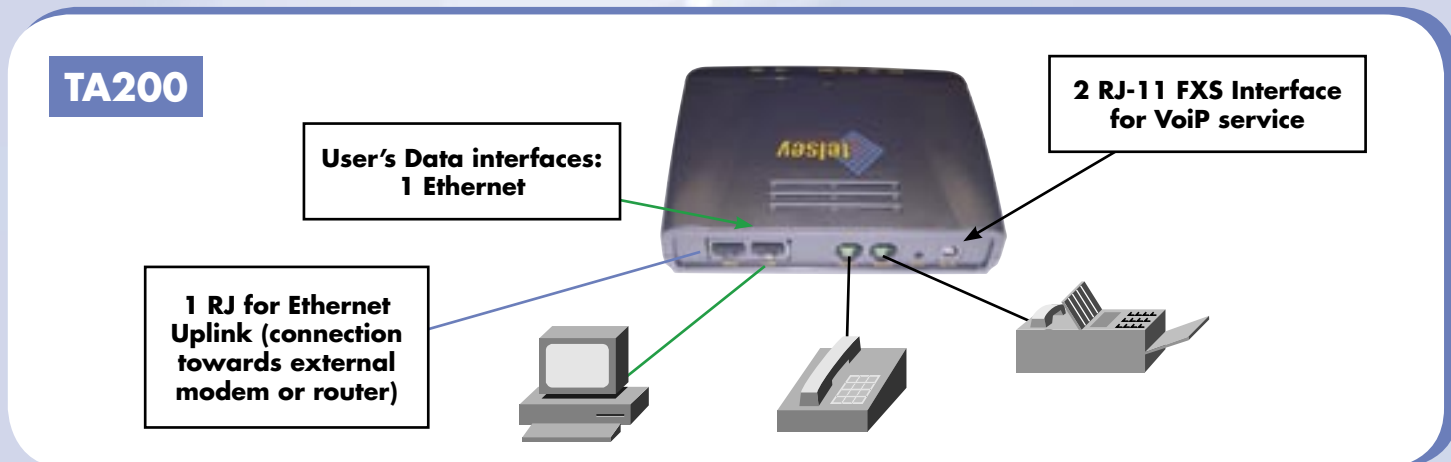Telsey's Telephone Adapters TA100 and TA200 allow Broadband Network Operators to easily connect traditional analog telephone equipment to VoIP networks. TA100 and TA200 are intended for the efficient delivery of Voice over IP services to residential and SOHO users.

Key Features	Benefits
Two Ethernet 10/100 BaseT for WAN and LAN interfacing (TA200)	Easily connects end user's WAN and LAN.
TA100 one FXS and TA200 two FXS interfaces to connect analog telephones, Fax devices and modems	Preserve users' current equipment (telephones, Fax, Modems) without the need to add expensive external IP Phones to get access to VoIP services.
TA100: one VoIP call **TA200: two simultaenous VoIP calls**	End users can benefit from Class 5 supplementary services, fax and modem services over IP on one or two lines.
Different VoIP signalling protocols (SIP, ready for MGCP) and a complete selection of codecs	Maximum flexibility for a quick integration with operators' network infrastructures.
Integrated Firewall, DoS defence and IP-VPN passthrough	Allow broadband access with the maximum security level, avoiding unauthorized intrusion to end user's LAN.
Locally and Remotely manageable and upgradable through integrated web page, TFTP	Make mass market deployment easy and quick, allowing end user to install and configure the device themselves and to enjoy VoIP services right away.

TA100

TA200

TA200

User's Data interfaces: 1 Ethernet

2 RJ-11 FXS Interface for VoIP service

1 RJ for Ethernet Uplink (connection towards external modem or router)

Technical Characteristics:

Broadband Interface		
	1 Ethernet port 10/100 BaseT half/full duplex autonegotiating. RJ-45 connectors	
Domestic LAN Interfaces		
	1 Ethernet port 10/100 BaseT half/full duplex autonegotiating. RJ-45 connectors (only for TA200)	
VoIP features		
Simultaneous voice calls	1 for TA100	2 for TA200
Analog Interfaces	TA100: 1 FXS. TA200: 2FXS. RJ –11 connectors. Dial mode supported: DTMF	
VoIP Protocols	SIP RFC3261, ready for MGCP	
Properties	Echo cancellation G.168 Silence suppression/comfort noise generation	Modem/fax pass through
Voice Codecs	G.711, G.723.1/A, G.726, G.729A/AB	
Fax over IP Protocols	T.38	
Supplementary Services	3 Way Conference Call Transfer Call Forwarding on Ring-no-answer, Busy, and All Call Return Call Waiting Call Holding Caller ID Caller ID with Name	Call Waiting Caller ID Caller ID Blocking Call screening Stutter Dial Tone Anonymous Call Rejection Selective Call Rejection Block specific outgoing call prefix and numbers Message Service (Voice Mail) supported
Networking features		
Layer 3	Flexible NAT with broad range of support for port sensitive Internet applications (TA200) PPPoE with PAP and CHAP	VPN Pass through (TA200) DHCP Client DHCP Server (TA200)
Secutity (TA200)	Stateful Inspection Packet Firewall DoS defence against fragmentation attacks, SYN flooding, port scanning, smurf attacks, and IP spoofing VPN Passthrough Support; L2TP/PPTP/Ipsec	
QoS	TOS DSCP	
Management		
	Remotly and locally upgradable Intuitive web-based management interface	Software upgrade through web interface Restore default configuration button
Power Supply		
	12 Vdc +/- 15%, 6 W AC/DC adapter 230 Vac, 50 Hz	
Physical Dimensions		
	TA100: Width 98mm; Depth 62mm; Height 23mm.	TA200: Width 132mm; Depth 108mm; Height 28mm.
Environmental Conditions		
	Operation temperature: 0-50° C Storage temperature: 0-70° C	Humidity: 85% (non condensing)

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