

Residential Products



Networking Products



	SPEEDTOUCH 330 USB ADSL Modem	SPEEDTOUCH 350/360 Bridging ADSL Modems	SPEEDTOUCH 510/516 Multi-User ADSL Gateways	SPEEDTOUCH 530/536 Multi-User ADSL Gateways	SPEEDTOUCH 545/570 Wireless ADSL Gateways	SPEEDTOUCH 546 Multi-User ADSL Gateway	SPEEDTOUCH 576/580 Wireless-G ADSL Gateways	SPEEDTOUCH 585 Wireless-A+G ADSL Gateway	SPEEDTOUCH 716 Wired Residential IAD	SPEEDTOUCH 785 Wireless-G Residential IAD
DSL	ADSL Annex A,B	ADSL Annex A/B (ADSL2 Annex A,B,L)*	ADSL Annex A,B ADSL2 Annex A,B, L [516 only]	ADSL Annex A,B ADSL2 Annex A,B, L [536 only]	ADSL Annex A,B	ADSL Annex A,B ADSL2, ADSL2+	ADSL Annex A,B ADSL2 Annex A,B, L (580 with SW upgrade) ADSL2+ (576 only)	ADSL Annex A,B; ADSL2 Annex A,B, L; (ADSL2+)	ADSL Annex A,B ADSL2 Annex A,B, L (ADSL2+)	ADSL Annex A ADSL2 Annex A,B, L (ADSL2+)
Management										
• Easy set-up wizard	L(local)	L	L	L	L	L	L	L	L	L
• Easy SW upgrade	L	L	L	L	L, R	L	L	L, R	L, R	L, R
• Easy Home Network Install Wizard (1)	-	L	L	-	L	L	L	L	L	L
• Web interface / http	-	L	L, R(remote)	L, R	L, R	L, R	L, R	L, R	L, R	L, R
• Web interface / https	-	-	-	-	-	(R)	L [576 only]	R	R	R
• Command Line Interface / telnet	-	L	L, R	L, R	L, R	L, R	L, R	L, R	L, R	L, R
• Multi role - multi user management	-	-	-	-	-	(L)	L [576 only]	L	L	L
• Dr SpeedTouch	L	L	L	L	L	L	L	L	L	L
• On demand Remote Management	-	-	-	-	-	(R)	R [576 only]	R	R	R
• snmp	-	-	R	R	R	-	R	R	R	R
• ssh	-	-	-	-	-	-	-	-	-	-
Services										
• FLEXiBundLE architecture (2)	-	-	-	-	-	x	x [576 only]	x	x	x
• Multi PVC	-	x	x	x	x	x	x	x	x	x
• ATM QoS	x	x	x	x	x	x	x	x	x	x
• Bridging	x	x	x	x	x	x	x	x	x	x
• Managed Ethernet switch	-	-	-	-	x	x	x	x	x	x
• IP Routing	-	-	x	x	x	x	x	x	x	x
• Diffserv IP QoS	-	-	510 only	-	-	-	x [576 only]	x	x	x
• NAT with IPsec passthrough	-	-	x	x	x	x	x	x	x	x
• Hyper-NAT with IP passthrough (3)	-	-	-	-	-	(x)	-	x	-	x
• Integrated Firewall	-	-	x	x	x	x	x	x	x	x
• Integrated firewall with DoS detection (4)	-	-	-	-	(x)	(x)	x [576 only]	x	-	x
• DNS server / client	-	-	x	x	x	x	x	x	x	x
• DHCP server / client	-	-	x	x	x	x	x	x	x	x
• Advanced Content Filtering (5)	-	-	-	-	-	(x)	x [576 only]	x	-	x
• VoIP User Agent	-	-	-	-	-	-	-	-	x	x
• Multimedia Optimisations (6)	-	x	x	x	x	x	x	x	x	x
Hardware Specifications										
• LAN	WiFi	-	-	-	(802.11b), Access Control List with register button WEP 64/128	-	802.11b+g	802.11b+g, 802.11a/h via cardbus	-	802.11b+g, 802.11a/h via cardbus
								Access Control List with register button, WEP 64/128, WPA-personal, WDS, WME, (802.11e - 802.11i)	Access Control List with register button, WEP 64/128, WPA-personal, WDS, WME, 802.11e, (802.11i)	Access Control List with register button, WEP 64/128, WPA-personal, WDS, WME, 802.11e, (802.11i)
Ethernet 10/100 Auto MDI/MDI-X	-	1	1 or 4	1	4	4	576: 1, 580: 4	4	1	4
USB 1.1	-	slave [ST360 only]	-	x	-	-	580: slave	slave + master	-	slave
Bluetooth 1.2 class 1	-	-	-	-	-	-	-	-	-	x
VoIP FXS ports	-	-	-	-	-	-	-	-	2	2
• Cardbus plug-in slot	-	-	-	-	x [545 only]	-	-	-	-	x
• Housing	desktop	desktop, wall mount	desktop, wall mount	desktop, wall mount	desktop, wall mount	desktop, wall mount	desktop, wall mount, stand-up	desktop, wall mount, stand-up	desktop, wall mount, stand-up	desktop, wall mount, stand-up
Certifications	USBForum		UPnP	UPnP	UPnP, WiFi	UPnP	UPnP, WiFi	UPnP, WiFi	-	UPnP, WiFi

* (1) indicates HW capable,
SW upgrade needed to enable functionality

(1) The SpeedTouch Wireless Home Install Wizard makes setting up a home wireless network as easy as Ethernet, thereby drastically reducing helpdesk calls. This unique and robust mechanism configures and secures your SpeedTouch ADSL access point and wireless network clients from a single CD. The wizard performs comprehensive system checks before and during the installation process, and validates all user inputs, in order to guarantee the end-user a secured wireless connection (using WEP or WPA) to the Internet.

(2) The FLEXiBundLE architecture enables service providers to define, manage and evolve the characteristics of the service offered by the SpeedTouch to the end user. This allows a SpeedTouch Gateway to adopt the specific features of a differentiated service offering. The basis for this architecture is an extensive multi role, multi user management framework, that allows each individual component of the Gateway to be (de-)activated independently and remotely.

(3) Hyper-NAT delivers absolute flexibility in managing any type of Network Address and/or Port translation, enabling seamless operation of servers on the local network. An extensive list of Application Level Gateways complete this powerful architecture to simultaneously enable services like: - any-to-many IPsec, L2TP and PPTP pass-through - IP pass-through - SIP, H.323, H.450, ... - ftp, rtsp, IPveinIPv4, Jabber, Netmeeting, Windows/MSN Messenger, ...

(4) The SpeedTouch firewall guarantees users the ultimate level in network security. Through integration with Hyper-NAT, the firewall leverages all the ALG's provided in the Hyper-NAT context to minimise undesired service impact. The SpeedTouch firewall provides like: - any-to-many IPsec, L2TP and PPTP pass-through - IP pass-through - SIP, H.323, H.450, ... - ftp, rtsp, IPveinIPv4, Jabber, Netmeeting, Windows/MSN Messenger, ...

(5) Filtering of unwanted content on the Internet just got integrated in the SpeedTouch Gateways. Two levels of content filtering are available: -Basic Content Filtering provides whitelist/blacklist based url filtering, which can be maintained locally or remotely. -Advanced Content Filtering is a subscription based service, that additionally provides a dynamic mechanism for classifying and blocking content. The classification database is an on-line store of characterised URL's, which is continuously updated. The SpeedTouch Gateway queries the database for each http request and decides on serving the page based on the policy assigned to the requestor.

(6) The SpeedTouch family supports a number of features which guarantee efficient and robust delivery of multimedia services from the core of the network right to the end user. -TR-37 enables auto-configuration of network bandwidth according to service needs, allowing seamless integration with the network's provisioning system. - diffserv IPQoS - WiFi QoS such as WME guarantee local delivery of streamed media to the service delivery nodes - The optional dedication of the 5GHz spectrum to streaming media adds robustness to the WiFi delivery path. - Smart DNS and DHCP supports smooth introduction of media delivery nodes like Set Top Boxes, VoIP phones, etc.

	SPEEDTOUCH 110 Wireless PC Card	SPEEDTOUCH 110g Wireless 802.11g PC Card	SPEEDTOUCH 120 Wireless USB Client	SPEEDTOUCH 120g Wireless 802.11g USB Client	SPEEDTOUCH 180 Wireless 802.11g Ethernet bridge
Wireless Specifications					
• Compliancy	11Mb/s IEEE 802.11b	54Mb/s IEEE 802.11g	11Mb/s IEEE 802.11b HR	54Mb/s IEEE 802.11g	54Mb/s IEEE 802.11g
• Frequency	2400-2497 MHz (2.4 GHz ISM Band)	2400-2497 MHz (2.4 GHz ISM Band)	2400-2497 MHz (2.4 GHz ISM Band)	2400-2497 MHz (2.4 GHz ISM Band)	2400-2497 MHz (2.4 GHz ISM Band)
• Regional Variants	FCC (channels 1-11); ETSI (channels 1-13)	FCC (channels 1-11); CE (channels 1-13)	FCC (channels 1-11); CE (channels 1-13)	FCC (channels 1-11); CE (channels 1-13)	FCC (channels 1-11); CE (channels 1-13)
• WiFi Certification	x	x	x	x	x
• Antenna	Built in dual diversity antenna	Built in dual diversity antenna	Built in dual diversity antenna	Built in dual diversity antenna	External Dual diversity Antenna
• Supported Rates	1, 2, 5.5, 11 Mb/s	1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, 54 Mb/s	1, 2, 5.5, 11 Mb/s	1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, 54 Mb/s	1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, 54 Mb/s
• Security	WEP Encryption 64/128bit key	WEP Encryption 64/128bit key; Support for 802.1x, WPA (Windows XP, Windows 2000)	WEP Encryption 64/128bit key	WEP Encryption 64/128bit key; WPA (Windows XP, Windows 2000)	WEP Encryption 64/128bit key; WPA (AP mode); MAC address filtering
• Wireless Distribution System			n/a	n/a	x
Software Support	Windows 98SE/ME/2000/XP	Windows 98SE/ME/2000/XP	Windows 98/98SE/ME/2000/XP	Windows 98SE/ME/2000/XP	Windows 98SE/ME/2000/XP
• WHOL certification	x	x	x	x	n/a
• Configuration Utility	x	x	x	x	Web based configuration
• Wireless Home Install Wizard	x	x	x	x	x
Certifications					
• Electromagnetic Compatibility	USA: FCC CFR47 Part 15B, Class II Europe: 89/336/EEC, ETTS 301 489-1&17 (2.4GHz)	USA: FCC CFR47 Part 15B, Class II Europe: 89/336/EEC, ETTS 301 489-1&17 (2.4GHz)	USA: FCC CFR47 Part 15B, Class II Europe: 89/336/EEC, ETTS 301 489-1&17 (2.4GHz)	USA: FCC CFR47 Part 15B, Class II Europe: 89/336/EEC, ETTS 301 489-1&17 (2.4GHz)	USA: FCC CFR47 Part 15B, Class II *Europe: 89/336/EEC, ETTS 301 489-1&17 (2.4GHz)
	EN61000-3-2 (Harmonic AC Current emissions) EN55022 Class II, EN50082-1 (Immunity)	EN61000-3-2 (Harmonic AC Current emissions) EN55022 Class II, EN50082-1 (Immunity)	EN61000-3-2 (Harmonic AC Current emis- sions) EN55022 Class II, EN50082-1 (Immunity)	EN61000-3-2 (Harmonic AC Current emis- sions) EN55022 Class II, EN50082-1 (Immunity)	EN61000-3-2 (Harmonic AC Current emis- sions) EN55022 Class II, EN50082-1 (Immunity)
• Product Safety	International: CB (IEC 60950) USA: FCC CFR47 part 15 C, para 15.247,295,209	International: CB (IEC 60950) USA: FCC CFR47 part 15 C, para 15.247,295,209	International: CB (IEC 60950) USA: FCC CFR47 part 15 C, part 15.247,295,209	International: CB (IEC 60950) USA: FCC CFR47 part 15 C, para 15.247,295,209	International: CB (IEC 60950) USA: FCC CFR47 part 15 C, para 15.247,295,209
• Radio Regulations	Europe: EN 300-328 Canada: IC RSS 210	Europe: EN 300-328 Canada: IC RSS 210	Europe: EN 300-328 Canada: IC RSS 210	Europe: EN 300-328 Canada: IC RSS 210	Europe: EN 300-328 Canada: IC RSS 210
Hardware Specifications					
• Interface	PC Card	Cardbus Type II	USB 1.1	USB 2.0	RJ-45 port, auto MDI/MDX
• Power supply	3 to 3,6 V (operating voltage)	3 to 3,6 V (operating voltage)	USB bus powered	USB bus powered	5V, 1A DC input
• Temperature	0° to 60° C	0° to 60° C	0° to 55° C	0° to 60° C	0° to 60° C
• Dimensions	118 x 54 x 8 mm	118 x 54 x 5 mm	63 x 89 x 145 mm	85 x 59 x 19 mm	134 x 86 x 35 mm (excl. antennae)



	SPEEDTOUCH 620 DSL Business Wireless Gateway	SPEEDTOUCH 615s Business Access	SPEEDTOUCH 618s Business Access	SPEEDTOUCH 690s SHDSL Private Line Network Termination
Network Management				
• Remote configuration	x	x	x	x
• Counters & status - SNMP MIBs	16	(Release2)	(R2)	6
• Pro-activeness - SNMP traps, syslog	x	x	x	x
• Active measurement - SLA agent	x	-	-	-
Services				
• ATM QoS	x	x	x	x
• Bridging	x	x	x	x
• VLAN 802.1q/p-aware bridging	x	(R2)	(R2)	-
• Managed Ethernet switch	x	-	-	-
• IP Routing	x	-	-	-
• Integrated Firewall	x	-	-	-
• DNS	x	-	-	-
• IP QoS	PQ, WFQ	-	-	-
• IPSec tunnels outgoing / incoming	1/16*, 32/156*	-	-	-
• Others	Integrated SIP PBX* Optimized for MPLS BAS redundancy - RIP RMON	IMA	IMA	Frame relay FRF5/8 Circuit emulation AAL1 Serial services AAL5
DSL Specifications				
• ADSL	ADSL/ADSL2+/Re-ADSL			
• SHDSL	2 wire, 4 wire	8 wire	16 wire	2 wire, 4 wire
Hardware Specifications				
• 10/100BaseT	1	4	1	4
• Other interfaces	ISDN*, USB2 Master, CardBus extension			X.21 or V.35 or E1 or T1
• Console port	x	x	x	x
Wireless Specifications	802.11a/b/g, RADIUS	-	-	-
Certifications	UPnP WiFi			

* Software Key Activation

For detailed information on IP VPN features, please refer to the back.

VPN

The SpeedTouch IP VPNs enable Flexible, Fast, Secure and Scaleable solutions. The SpeedTouch IP VPN uses 'state-of-the-art' technology for VPNs (IPSec with PKI for simple deployment). Remote sites, Teleworkers or Call Center Agents can be securely connected at low cost with IPSec, scalable through Public Key Infrastructure (PKI). The SpeedTouch IP VPN is incredibly easy to install and use.

	SPEEDTOUCH 608 ADSL Business Router		SPEEDTOUCH 260 Stand-Alone Ethernet Router	SPEEDTOUCH 610 DSL Business Router	SPEEDTOUCH 620 DSL Business Wireless Gateway	
	Basic	Advanced*	Advanced*	Basic*	Basic*	Advanced*
• Incoming Tunnels	2	4	16	16	16	256
• Outgoing Tunnels	1	4	16	16	1	32
• Pre Shared Key Authentication	x	x	x	x	x	
• PKI Digital Certificates Authentication	x	x	x	x	x	
• PKI Enrollment	PKCS 7 and 10	PKCS 7 and 10	PKCS 7 and 10	PKCS 7 and 10	PKCS 7 and 10	
• IPSec Encryption	AES/3DES/DES	AES/DES/3DES	AES/DES/3DES	AES/3DES/DES	AES/3DES/DES	
• IPSec NAT Traversal	X	x	x	x	x	
• Perfect Forward Secrecy (DH Groups)	DH 1,2,5	DH 1,2,5	DH 1,2,5	DH 1,2,5	DH 1,2,5,17	
• IPSec Message Integrity	HMAC-MD5,SHA-1	HMAC-MD5,SHA-1	HMAC-MD5,SHA-1	HMAC-MD5,SHA-1	HMAC-MD5,SHA-1	
• Secure Tunneling	ESP/AH	ESP/AH	ESP/AH	ESP/AH	ESP/AH	
• X Auth VPN Authentication	x	x	x	x	x	
• Custom IPSec SW Client for PC	x	x	x	x	x	
• VPN Self Install Wizard	x	x	x	x	x	
• xDSL	ADSL	-	-	ADSL/SHDSL	ADSL/SHDSL/Fiber	
• Integrated Firewall	x	x	x	x	x	

* Software Key Activation

For more information: www.speedtouch.com

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	SPEEDTOUCH 605s SHDSL Business Router	SPEEDTOUCH 608 ADSL Business Router	SPEEDTOUCH 610 DSL Business Router
Network Management			
• Remote configuration	x	x	x
• Counters & status - SNMP MIBs	1	1	12
• Pro-activeness - SNMP traps, syslog	-	-	x
• Active measurement - SLA agent	-	-	-
Services			
• ATM QoS	x	x	x
• Bridging	x	x	x
• VLAN 802.1q/p-aware bridging	-	-	-
• Managed Ethernet switch	-	x	x
• IP Routing	x	x	x
• Integrated Firewall	x	x	x
• DNS	x	x	x
• IP QoS	PQ (Priority Queueing)	PQ	PQ, WFQ
• IPSec tunnels outgoing / incoming		1 / 2, 4 / 4*	16 / 16*
• Others		DIV IPSec templates	Integrated SIP PBX* Optimized for MPLS BAS redundancy - RIP
DSL Specifications			
• ADSL	-	ADSL	ADSL
• SHDSL	2 wire	-	2/4 wire
Hardware Specifications			
• 10/100BaseT	1	4	4 or 1
• Other LAN	-		ATM-F 25.6 variant
• Console port	-	x	x
Wireless Specifications	-	-	-
Certifications	UPnP	UPnP	UPnP

* Software Key Activation

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SpeedTouch DSL and Networking Portfolio

