

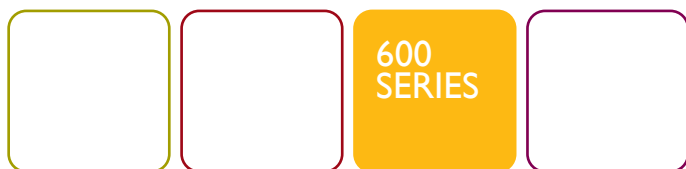
SpeedTouch™

610(i)

Business DSL Routers

Customer Release Note

Release R4.1.2



THOMSON

speedtouch™
ALCATEL

SpeedTouch™

610(i)

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Contents

1	The SpeedTouch™ 610(i) R4.1.2	3
<hr/>		
2	Release History	5
<hr/>		
3	Delivered Media.....	7
3.1	Documentation	9
3.2	Software Versions	10
<hr/>		
4	Restrictions	11



1 The SpeedTouch™610(i) R4.1.2

Introduction The purpose of this document is to define the released items and provide delivery information of the SpeedTouch™610(i) Business DSL Router Release R4.1.2.

General This delivery introduces the SpeedTouch™610(i) Release R4.1.2 Business ADSL Router as an addition to the existing range of THOMSON's DSL products.

Key features The SpeedTouch™610(i) R4.1.2 key features are:

- High-speed Internet access over DSL and regular POTS or ISDN services on the same copper line
- Up to 8Mb/s downstream, 832kb/s upstream for ADSL/POTS
- Up to 8Mb/s downstream, 640kb/s upstream for ADSL/ISDN
- Operating System independent
- IP VPN (IPsec) scalable through PKI (public key infrastructure)
- Extensive remote management (including SNMP, Syslog and SNTP)
- Integrated Firewalling
- Full IP Routing capabilities and RIP support
- Improved NAPT experience via helpers for:
 - SIP: Session Initiation Protocol signalling protocol for Internet conferencing, telephony, presence, events notification and instant messaging. Proven interoperability with Linphone and Ubiquity SIP applications and Snom and Pingtel sipphones.
 - GRE
 - PPTP
 - ILS
 - H245
 - H323
 - FTP
 - RTSP
 - IRC
 - RAUDIO(PNA).
- Easy to use SpeedTouch™ Setup wizard for MS Windows OSs
- Easy to use configuration mechanism via configuration file upload/ftp
- Software upgradeable.

Basic features The key features come on top of the DSL data features delivered by THOMSON's range of existing SpeedTouch™ DSL products.

For a complete presentation of the product's features please check the SpeedTouch™610(i) data sheet.

Release R4.1.2
Improvements

The maintenance Release R4.1.2 of the SpeedTouch™610(i) features the following improvement with respect to the previous release:

- Some low-level Ethernet parameters have been improved.

ADSL variants

This Release R4.1.2 delivery is applicable for the following SpeedTouch™610(i) Business DSL Routers:

- The SpeedTouch™610(i) ADSL/POTS product
- The SpeedTouch™610(i)i ADSL/ISDN product.

In the following both will be referred to as SpeedTouch™610(i) unless specifically the ADSL/ISDN variant is concerned.

Interface variants

The SpeedTouch™610(i) is available with following LAN interfaces:

- A four port 10/100Base-T Ethernet switch
- A single 10/100Base-T Ethernet port and ATM-F-25.6Mb/s port.

2 Release History

Release overview The existing SpeedTouch™610(i) releases are depicted in following table:

	Operational Codes	Remarks
R4.1	ADSL/POTS platform: ADNT-R ADSL/ISDN platform: ADNT-R System software: LT5AA4.110 Setup wizard version:1.2.0.11	Introduction and initial release of the SpeedTouch™610(i).
R4.1.2	ADSL/POTS platform: ADNT-R ADSL/ISDN platform: ADNT-R System software: LT5AA4.120 Setup wizard version:1.2.0.11	Maintenance release of the SpeedTouch™610(i). <ul style="list-style-type: none"> • Low-level Ethernet parameter improvements.

3 Delivered Media

Introductory Note

The SpeedTouch™610(i) offers full customizability, both regarding configurational profile files, wizard settings and the contents of the delivery package.

A DEMO CD-Rom is available containing the SpeedTouch™ Setup wizard applications, all SpeedTouch™610(i) documentation (in PDF) and DEMO configuration profile files. This DEMO CD-Rom provides a basis for Service Provider specific customization.

For more information contact your local sales contact.

Product Codes

ADSL/POTS variants:

Area	Item number	Description
ROW	TCM 35594160 (3EC 18605 GCAA ICS01)	SpeedTouch™610(i) Ethernet + ATMF-25.6Mb/s ADSL/POTS
US	TCM 35648840 (3EC 18805 GCAA ICS01)	
ROW	TCM 35593990 (3EC 18603 GCAA ICS01)	SpeedTouch™610(i) Ethernet switch ADSL/POTS
US	TCM 35648610 (3EC 18803 GCAA ICS01)	
-	TCM 35594170 (3EC 18605 GNAA ICS01)	SpeedTouch™610(i) Ethernet + ATMF-25.6Mb/s ADSL/POTS No Power supply
-	TCM 35594000 (3EC 18603 GNAA ICS01)	SpeedTouch™610(i) Ethernet switch ADSL/POTS No Power supply

ADSL/ISDN variants:

Area	Item number	Description
ROW	TCM 35594490 (3EC 18625 GCAA ICS01)	SpeedTouch™610(i)i Ethernet + ATMF-25.6Mb/s ADSL/ISDN
ROW	TCM 35594390 (3EC 18623 GCAA ICS01)	SpeedTouch™610(i)i Ethernet switch ADSL/ISDN

Area	Item number	Description
-	TCM 35648270 (3EC 18625 GNAA ICS01)	SpeedTouch™610(i)i Ethernet + ATMF-25.6Mb/s ADSL/ISDN No Power supply
-	TCM 35594400 (3EC 18623 GNAA ICS01)	SpeedTouch™610(i)i Ethernet switch ADSL/ISDN No Power supply

3.1 Documentation

General Documentation

Item number	Description
E-SIT-CTC-20021015-0027 v1.0 (3EC 37513 BAAA TCZZA Ed.01)	SpeedTouch™ Setup Wizard Operator's Guide Release R1.2.0.11
E-SIT-CTC-20021203-0004 v1.0 (3EC 16982 ACAA TCZZA Ed.01)	SpeedTouch™ 610(i) CLI Reference Guide Release R4.1
E-SIT-CRN-20021205-0001 v2.0	SpeedTouch™ 610(i) Customer Release Note Release R4.1.2

Orientation Guide

Item number	Description
E-SIT-CTC-20021205-0002 v1.0 (3EC 37770 AAAA TCZZA Ed.01)	SpeedTouch™ 610(i) Orientation Guide Release R4.1

3.2 Software Versions

Platform Software

ADNT-R Software Components			
Component		Version	Remarks
System software	operational	LLT5AA4.120	R4.1.2
Modem Label		2.11.12	-

CD-ROM software components

CD-ROM Software Components		
Software Component	Version	Remarks
CD browser	4.103	-
Setup wizard software version	1.2.0.11	-
ini-files version	4.1101	-

4 Restrictions

1. UR2 Certification of the SpeedTouch™610(i) is still on-going.

Problem Although all efforts have been made to ensure that the SpeedTouch™610(i) is UR2-certifiable, at the moment of this initial release, UR2 certification is still on-going.

2. ICSA Certification of the SpeedTouch™610(i) is still on-going.

Problem Although all efforts have been made to ensure that the SpeedTouch™610(i) is ICSA-certifiable, at the moment of this initial release, ICSA certification is still on-going.

3. Between the same two IPSec peers, only one IPSec tunnel can be used.

Workaround None.

4. In a meshed IPSec network, the red IP address range behind the different peers are not allowed to overlap.

Workaround Reconfigure the networks such that each network uses non-overlapping red IP address ranges.

5. Throughput measurements with test equipment generating a constant packet flow (so without e.g. TCP congestion control) give significantly lower IPSec throughput results than with real-life TCP applications

This has been seen on the Smartbits tool using the Smart-XDSL application.

Workaround Use traffic with congestion control to measure IPSec throughput.

6. Import (copy-paste) of large IPsec CRLs doesn't work via direct telnet or CLI-command.

Workaround First transfer the CRL to the SpeedTouch™610(i) via an FTP session, and then execute the "ipsec cert import filename=.." command. via a telnet session.

7. When using IPsec NAT Traversal (NAT-T, IPsec ESP over UDP), it might happen that the NAT entry for IPsec in the intermediate NAT box times out, thereby prematurely ending the tunnel.

Workaround Configure the re-keying rate to a low value (lower than the NAT box time-out value), or configure the NAT box time-out value for IKE entries to a high value (higher than the re-keying rate).

8. When the SpeedTouch™610(i) detects that NAT is used between itself and the other IPsec peer, but the other peer doesn't support IPsec NAT Traversal (NAT-T, IPsec ESP over UDP), then the phase 2 tunnel will not be set up correctly.

Workaround Remove the NAT box between the SpeedTouch™610(i) and the other IPsec peer/endpoint.

9. When subsequently deactivating and re-activating Continuity Checks, no RDI cells are sent by the SpeedTouch™610(i).

Workaround 2.5 Seconds after sending a user cell, both end-to-end AIS and RDI cells are sent again.

10. For MS Windows 95 and MS Windows OSR2 systems, in case more than one network adapter is configured as DHCP client, the SpeedTouch™ Setup wizard is unable to set the PC's IP configuration and no error is reported.

Workaround Finish the Setup wizard and configure the PCs manually.

11. Corrupt fragmentation of outgoing ICMP packets with payload sizes bigger than 2952 bytes using a Routed interface.

Problem Corrupt fragmentation of out-going ICMP packets with payloads bigger than 2952 bytes using a routed interface can result in ICMP packet loss. Standard TCP/IP internet traffic is not influenced.

Workaround Use ICMP packets with a payload size smaller than 2953 bytes.



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