SpeedTouch™

510(i)
Multi-User ADSL Gateways

Customer Release Note
Release R4.0.2

500 SERIES

THOMSON

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SpeedTouch™ 510(i)

Customer Release Note

Release R4.0.2

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1 The SpeedTouch™510(i) R4.0.2

Introduction

The purpose of this document is to define the released items and provide delivery information of the SpeedTouch^{TM}510(i) Multi-User ADSL Gateway Release R4.0.2.

General

This delivery introduces the SpeedTouch^{TM}510(i) Release R4.0.2 Multi-User ADSL Gateway as a new release of the existing range of THOMSON's Multi-User DSL Internet Gateway Devices.

Key features

The SpeedTouch^{TM}510(i) R4.0.2 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

- Full IP Routing capabilities

- Integrated Firewalling

- Easy to use SpeedTouch^{TM} Setup wizard for MS Windows OSs

- Easy to use configuration mechanism via configuration file upload/ftp

- System software upgrade wizard for MS windows OSs and Mac OS10

- Secure BOOTP system software upgrade mechanism available

- Extended IPSec VPN pass-through functionality and transparency

- Fully UPnP compliant (Internet Gateway model)

- 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.

    - IKE and ESP: Any client on the local network can connect to any server on the Intenet.
      Proven interoperability with Cisco, CheckPoint, Nortel and TimeStep.

    - GRE

    - PPTP

    - ILS

    - H323

    - FTP

    - RTSP

    - IRC

    - RAUDIO(PNA).

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™510(i) data sheet.

Release R4.0.2 improvements

The maintenance Release R4.0.2 of the SpeedTouch™510(i) features the following improvement with respect to the previous release:

•   Increased Ethernet robustness.

ADSL Variants

This Release R4.0.2 delivery is applicable for the following SpeedTouch™510(i) Multi-User DSL Gateways:

•   The SpeedTouch™510 ADSL/POTS product

•   The SpeedTouch™510i ADSL/ISDN product.

In the following both will be referred to as SpeedTouch™510(i) unless specifically the ADSL/ISDN variant is concerned.

Interface variants

The SpeedTouch™510(i) products are available with following LAN interfaces:

•   A single 10/100Base-T Auto-sensing MDI/MDI-X Ethernet port

•   A four port 10/100Base-T Ethernet switch.

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2   Release History

Release overview   The existing SpeedTouch^{TM}510(i) releases are depicted in following table:

Release	Identifications	Remarks
R4.0.0	Platform: ADNT-Q	Introduction and initial release
	System software: LLT6AA4.0090 Setup wizard version: v1.2.0.11 Upgrade wizard version: v1.0.0.33	
R4.0.2	Platform: ADNT-Q	Maintenance release
	System software: LLT6AA4.020 Setup wizard version: v1.2.0.11 Upgrade wizard version: v1.0.0.33	

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3   Delivered Media

Introductory Note   The SpeedTouch^{TM}510(i) offers full customizability, both regarding configuration profile files, wizard settings and the contents of the delivery package.

The basic SpeedTouch^{TM} Setup CD-Rom allows immediate use by the end customer without the need for customization.

It contains the fully functional SpeedTouch^{TM} CD browser application, Setup wizard, Upgrade wizard and all documentation, as well as a basic set of configuration profile files.

For more information contact your local sales contact.

3.1.   Product Codes

Product Codes   ADSL/POTS variants:

Area	Item number	Description
ROW	TCM 35655760 (3EC 18604 MCAA ICS05 and higher)	SpeedTouch^{TM}510 Single Ethernet ADSL/POTS
ROW	TCM 35666730 (3EC 18604 MCAB ICS05 and higher)	
US	TCM 35655750 (3EC 18804 MCAA ICS05 and higher)	SpeedTouch^{TM}510 Single Ethernet ADSL/POTS
US	TCM 35666710 (3EC 18804 MCAB ICS05 and higher)	
ROW	TCM 35594020 (3EC 18603 LCAA ICS03 and higher)	SpeedTouch^{TM}510(i) Ethernet switch ADSL/POTS
ROW	TCM 35665370 (3EC 18603 LCAB ICS03 and higher)	

ADSL/ISDN variants:

Area	Item number	Description
ROW	TCM 35594460 (3EC 18624 LCAA ICS03 and higher)	SpeedTouch^{TM}510i Single Ethernet ADSL/ISDN
ROW	TCM 35665430 (3EC 18624 LCAB ICS03 and higher)	
ROW	TCM 35594420 (3EC 18623 LCAA ICS03 and higher)	SpeedTouch^{TM}510i Ethernet switch ADSL/ISDN
ROW	TCM 35665400 (3EC 18623 LCAB ICS03 and higher)	

3.2   Documentation

General documentation

Item number	Description
E-SIT-CTC-20021015-0027 v1.0 (3EC 36513 BAAA TCZZA Ed.01)	SpeedTouch™Setup Wizard Operator's Guide Release R1.2.0.11
E-SIT-CTC-20021203-0003 v1.0 (3EC 16982 ABAA TCZZA Ed.02)	SpeedTouch™500Series CLI Reference Guide
E-SIT-CRN-20030120-0001 v1.0	SpeedTouch™510(i) Customer Release Note Release R4.0.2

Setup and User's Guides

Item number	Description
3EC 37891 AAAA TCZZA Edition 01	SpeedTouch™510(i) Setup and User's Guide English
3EC 37891 ABAAA TCAAB Edition 01	SpeedTouch™510(i) Setup and User's Guide French
3EC 37891 ACAA TCAAC Edition 01	SpeedTouch™510(i) Setup and User's Guide German
3EC 37891 ADAA TCAAD Edition 01	SpeedTouch™510(i) Setup and User's Guide Spanish
3EC 37891 AEAA TCAAE Edition 01	SpeedTouch™510(i) Setup and User's Guide Portuguese
3EC 37891 AFAA TCAAF Edition 01	SpeedTouch™510(i) Setup and User's Guide Italian
3EC 37891 ASAA TCAAS Edition 01	SpeedTouch™510(i) Setup and User's Guide Swedish
3EC 37891 AVAA TCAAV Edition 01	SpeedTouch™510(i) Setup and User's Guide Dutch

3.3   System Software Versions

Platform Software

ADNT-Q Software Components			
Component		Identification	Remarks
System software	image file	LLS6A4.0200.bin	BootP
	operational	LLT6AA4.020	File System
Modem Label		v2.11.12	-
Bootloader		v1.0.31	-

CD-rom software components

CD-rom Software Components		
Software Component	Item number	Remarks
CD browser	4.009	-
Setup wizard software version	1.2.0.11	-
Upgrade wizard software version	1.0.0.33	-
ini-files version	4.008	-

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4 Restrictions

1. For MS Windows 95 and MS Windows OSR2 systems, in case more than one network adapter is configured as DHCP client, the SpeedTouch^{TM} 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.

2. Incoming passive FTP connections do not work in case NAPT is enabled.

Workaround   Use only active FTP connections (i.e. regular FTP connections) for inbound FTP sessions.

3. Limitations on the use of CheckPoint VPN IPSec Client.

Problem   When multiple CheckPoint clients are used to connect to one server, the first client will work without any problem but the following clients will lose connection when re-keying occurs.

Workaround   If the typical rekeying time (8 hours) is not enough, a solution is to extend the security association life time, or to simply reconnect the VPN client..

4. 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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