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THOMSON TG605/TG605s
DSL Business Router

Data Voice Video

Connectivity Solution for Business DSL

I Network VPN Based on VPLS / VLAN

The THOMSON TG605 Business DSL router optimally supports network-based VPNs based on VPLS / VLAN technology. These network-based VPNs offer a maximum of manageability from an operator-point of view, equalling and even exceeding the user experience as offered by traditional leased lines or frame relay private line connections in terms of security and service level agreements. The THOMSON TG605 Business DSL router maps VLAN packets on the correct PVC based on VLAN ID and VLAN priority, and performs port-based VLAN tagging. The advanced forwarding engine with support of label policies allows to provide simultaneous access to multiple network based VPNs while keeping the traffic strictly separate between the different VPNs, and to simultaneously offer VPN access and Internet access on the same DSL line.

I Business Internet Access

Our THOMSON TG605 Business DSL router provides robust business Internet access. The embedded stateful firewall and intrusion detection system stop attacks in the router and keep the customer save from any security violations. Content filtering based on a large online database prevents employees from accessing unproductive categories of web sites.

I Managed Office Networking

The THOMSON TG605 has a 4-ports Managed Ethernet Switch allowing you to connect up to 4 PCs or Servers. At any time it shows all LAN devices and their status (connected, failed to authenticate, absent), allowing to quickly troubleshoot any problems. Any port on the Managed Switch can be configured as DMZ (Demilitarized Zone).This will allow your customer to share central services with its sales people or other employees at a minimum cost. Ports can also be configured as Guest access, allowing visitors in a meeting room to share the Internet access without compromising the data confidentiality of the enterprise network. The dual memory bank allows completely fail-safe remote software upgrades to keep the router of your customers always up-to-date.

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Technical Specifications

| Hardware Specifications

Interfaces

• LAN

  - 4 ports 10/100Base-T (RJ45) with auto MDI/MDI-X (IEEE802.3)

• WAN

  - DSL line RJ11 for ADSL, ADSL2, Re-ADSL (annex L), ADSL2+ for the THOMSON TG605(i)

  - DSL line RJ11 for SHDSL and SHDSL.bis 2-wire (according to G.991.2/G.994.1) ATM and EFM for the THOMSON TG605s 2-wire. The 2-wire SHDSL can be configured either in CPE mode (connecting to a DSLAM) or in CO mode, (two modems can be put back-to-back on blank copper), speeds ranging from 192 Kbps (32kbps on ATM) up to 5.7 Mbps per pair.

  - DSL line RJ14 (pin 3&4 for first pair, pin 2&5 for second pair) for SHDSL and SHDSL.bis 2-wire and 4-wire ATM and EFM for the THOMSON TG605s 4-wire. The 4-wire SHDSL can be configured as:

    • one 2/4-wire interface: either in CPE mode (connecting to a DSLAM – with auto-detect of 2-wire / 4-wire SHDSL mode or fixed configuration) or in CO mode (two modems can be put back-to-back on blank copper, up to 11.4 Mbps)

    • two separate 2-wire interfaces: either both in CPE mode (can even connect to two different DSLAMs, for back-up purposes and load balancing), both in CO mode (to connect to two remote CPEs) or one in CO and one in CPE mode (for add/drop purposes in linear networks and as repeater with traffic insertion functionality)

    • two separate 2-wire interfaces: either both in CPE mode (can even connect to two different DSLAMs, for back-up purposes and load balancing), both in CO mode (to connect to two remote CPEs) or one in CO and one in CPE mode (for add/drop purposes in linear networks and as repeater with traffic insertion functionality)

• Extensions: (not on TG605s)

  - PCMCIA / Card bus

Physical Specifications

• Height: 3.5 cm (1.38 in.)

• Width: 24 cm (9.38 in.)

• Depth: 18.5 cm (7.29 in.)

Operating Environment

• Temperature: 0° to 40° C (32° to 105° F)

• Humidity: 20% to 80%

Power Requirements

• AC voltage: 100 to 120 V AC, 220 to 240 V AC

• Frequency: 50/60 Hz

| Services

• Web GUI protected username and password

  - 8 languages

  - Embedded Install Wizard

  - Web-log

• Ethernet VLAN, 802.1q/p

• ICSA-grade firewall, with DMZ

• Dual memory bank for remote upgrade

• Serial interface for operator install

• Integrated basic IPSec IP VPN:

  - ICSA-grade

  - Redundant servers

  - Automatic address allocation

TG605s backpanel

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