

## » ADSL2+ Bridge C2-010 / C2-010-I «



Surf the internet, do emails and run multimedia at DSL Speed. On several computers all at the same time - save through the built-in firewall.



1 Ethernet port for comfortable home networking.

A new ADSL standard family known as ADSL2 adds features and functionality that boost ADSL performance, improve interoperability and support new applications, services and deployment scenarios. It is the right product to use router mode.

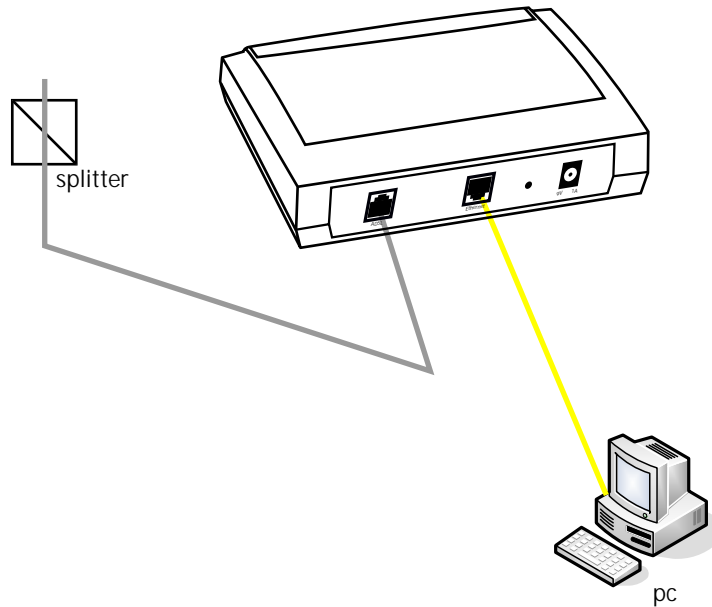
ADSL2+ is based on the ADSL2 standard but doubles the maximum frequency used for downstream data transmission from 1.1 MHz to 2.2 MHz. As a result, downstream data rates are increased to up to 24 Mbps on shorter phone lines.

The ADSL2 / ADSL2+ standard supports a gradual transition to advanced services and allows delivery of superior broadband services such as DVD-quality broad-band content and video-on-demand.

Broadband

[www.siemens.ch/broadband](http://www.siemens.ch/broadband)

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## Detailed features:

### SOFTWARE

#### - ADSL Compliance

ANSI T1.413 Issue 2  
ITU G.992.1 Annex A (G.dmt)  
ITU G.992.1 Annex B (G.dmt) with UR2 compliant  
ITU G.992.2 Annex A (G.lite)  
ITU G.994.1 (G.hs)  
Support dying gasp (optional)

Maximum Rate: 8 Mbps for downstream and 1 Mbps for upstream

#### - ADSL2 Compliance

ITU G.992.3 Annex A and Annex B (G.dmt.bis)  
ITU G.992.4 Annex A and Annex B (G.lite.bis)  
Support dying gasp (optional)  
Maximum Rate: 12 Mbps for downstream and 1 Mbps for upstream

#### - ADSL2+ Compliance

ITU G.992.5 Annex A and Annex B  
Support dying gasp (optional)  
Maximum Rate: 24 Mbps for downstream and 1 Mbps for upstream

#### - ATM Features

Compliant to ATM Forum UNI 3.1 / 4.0 Permanent Virtual Circuits (PVCs)  
Support up to 8 PVCs for UBR, CBR, VBR-nrt, VBR-rt with traffic shaping  
RFC2684 LLC Encapsulation and VC Multiplexing over AAL5  
RFC2364 Point-to-Point Protocol (PPP) over ATM  
RFC2225 Classical IP and ARP over ATM  
RFC2516 PPP over Ethernet: support Relay (Transparent Forwarding) and Client functions  
Support PPPoE, PPPoA, MER and Bridged mode  
OAM F4/F5 End-to-End/Segment Loopback Cells

#### - Bridging Features

Supports self-learning bridge specified in IEEE 802.1d  
Transparent Bridging  
Supports up to 256 learning MAC addresses  
Transparent Bridging among 10/100 Mb Ethernet  
Supports IGMP Snooping  
Supports 802.1Q VLAN packet pass-through

#### - Security Features

PAP (RFC1334), CHAP (RFC1994), and MS-CHAP/MS-CHAP2 for PPP session  
Firewall support IP packets filtering based on IP address/Port number/Protocol type  
Support DoS (Deny of Services) which detect & protect a number of attacks (such as SYN/FIN/RST Flood, Smurf, WinNuke, Echo Scan, Xmas Tree Scan, etc)

#### - Configuration and Management

User-friendly embedded web configuration interface with password protection in English or German  
Remote management access control  
Telnet session for local or remote management  
Firmware upgrades through HTTP, TFTP, or FTP  
Configuration file backup and restore

### HARDWARE

#### - Interface

One RJ-11 port for PSTN ISDN (C2-010-I) ADSL connection  
One RJ-45 ports for IEEE 802.3/802.3u 10/100 Base-T auto-sensing and auto-crossover Ethernet connection

#### - Regulatory Approvals and Compliance

EMC: CE  
Safety: CB, LVD

#### - Power Requirement and Operation Environment Requirement

Power Adaptor: Input 230±5 VAC; Output 9VAC, 1A  
Power Consumption: max. 14.5 Watt  
Ambient Temperature: 0 to 40°C (32 to 96°F)  
Relative Humidity: 30% to 85% (non-condensing)

#### - Physical

Front Panel: 5 leds  
Dimensions  
Housing: 140 mm (L) x 115 mm (W) x 30 mm (H)  
Weight: 225 g

## Ordering Number

SIEMENS ADSL C2-010 (Annex A): S1621-Z133-A  
SIEMENS ADSL C2-010-I (Annex B): S1621-Z132-A

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Printed in Switzerland