

# Broadband Connectivity Service (BBCS)

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1 Recently tested BBCS (ADSL, ADSL2+, VDSL2, VDSL2 G.vector, G.fast) equipment

1.1 xDSL-modems and routers

The xDSL equipments mentioned in the list, are tested and approved by Swisscom (Switzerland) Ltd.

Swisscom recommends the End User to use the xDSL modems and routers tested and approved by Swisscom (Switzerland) Ltd.

Supplier	Model	Customer Premises Equipment				Technology							Chipset		
		Firmware	CPE-DP	POTS				ISDN			Model	DP			
				Fiber	ADSL	ADSL2+	VDSL2	V-VDSL2	ADSL	ADSL2+		VDSL2	V-VDSL2	G.fast	ADSL
ADB	Centro Business V1	07.12.10	n/a	X	X	X	X	X		X	X	BDCM 6368	38q	38q	n/a
	Centro Business V2	09.02.12	n/a	X	X	X	X	X		X	X	BDCM 63138	42m	42m	42p1
	Centro Grande ADB	6.16.12 / 14	n/a	X	X	X	X	X				BDCM 6368	38q	38q	n/a
	VV2220	4.0.0.00.70	n/a	X	X	X	X					BDCM 63168	38q	38q	n/a
Arcadyan	Internet Box Standard (Starlite)	10.00.44	n/a	X	X	X	X	X		X	X	BDCM 63168	38q	38q	n/a
Arris	Centro Grande v1 Arris	9.0.10h2d26	n/a	X	X	X	X	X				BDCM 6368	38q	38q	n/a
	Centro Grande v2 Arris	9.0.10h2d26	n/a	X	X	X	X	X				BDCM 6368	38q	38q	n/a
	Centro Piccolo Arris	9.0.10h2d26	n/a	X	X	X	X					BDCM 6368	38q	38q	n/a
Askey	Internet Box 2 (Stargate V2)	10.01.00	n/a	X	X	X	X	X		X	X	BDCM 63138	43j2	43j2	43j2
	Internet Box Light (Starlink)	08.05.02	n/a	X	X	X	X			X	X	BDCM 63381	41g	41g	n/a
AudioCode	Mediant-500L-MSBR	6.80A.335.005	n/a	X	X	X	X					IFTN VRX288	5731501	5781207	n/a
AVM	Fritzbox 7490	113.07.01	1.100.136.15			X	X					IFTN VRX288	n/a	591407	n/a
	Fritzbox 7430	146.06.52	1.100.133.44			X	X					IFTN VRX288	n/a	578917	n/a
	Fritzbox 7560	149.06.69	1.148.135.11			X	X					A9-VRX3/518	n/a	790C17	n/a
	Fritzbox 7530	164.07.00	1.180.129.50			X	X			X	X	A9-VRX3/518	n/a	n/a	n/a
	Fritzbox 7582	156.07.01	n/a			X	X			X	X	BDCM 63138	n/a	43j2	43j2
	Fritzbox 7590	154.07.00	1.180.129.50			X	X			X	X	A9-VRX3/518	n/a	n/a	n/a
Bintec-Elmeg	belP	10.1.27	n/a			X	X			X	X	IFTN VRX288	n/a	578917	n/a
	RS353jv	10.1.27	n/a			X	X			X	X	IFTN VRX288	n/a	578917	n/a

Supplier	Model	Customer Premises Equipment				Technology							Chipset			
		Firmware	CPE-DP	POTS			ISDN			Model	DP					
				Fiber	ADSL	ADSL2+	VD SL2	V-VD SL2	ADSL		ADSL2+	VD SL2	V-VD SL2	G.fast	ADSL	VD SL2
Cisco	2921 HWIC VA	15.4(3)M4	n/a			X	X						BDCM 6368	n/a	38q	n/a
	4300-NIM-VAB-A	16.9.1	n/a			X	X		X	X			BDCM 63168	n/a	38q	n/a
	886VA	15.2(4)M5	n/a						X	X	X		BDCM 6368	38r1	38r1	n/a
		15.5(3)M6a	n/a						X	X	X		BDCM 6368	38r1	38r1	n/a
	887VA	15.2(4)M5	n/a		X	X	X						BDCM 6368	38q	38q	n/a
		15.5(3)M6a	n/a		X	X	X						BDCM 6368	38q	38q	n/a
	C887VA-K9	15.4(3)M4	n/a		X	X	X	X					BDCM 6368	38q	38q	n/a
		15.5(3)M6a	n/a		X	X	X	X					BDCM 6368	38q	38q	n/a
	C897VA-K9	15.4(3)M4	n/a		X	X	X	X					BDCM 6368	38q	38q	n/a
		15.5(3)M6a	n/a		X	X	X	X					BDCM 6368	38q	38q	n/a
	C1113	16.9.2	n/a		X	X	X	X	X	X	X		BDCM 63138	43j2	43j2	43j2
	C1117	16.9.20180	n/a		X	X	X	X		X	X		BDCM 63168	38q	38q	n/a
Huawei	Starplug	n/a (currently supported by Cisco C897, Starlite, Stargate V1)	n/a								X		MTIA 5321	n/a	n/a	8811r039
Lancom	1781 series / 1783 series	09.10.0530	n/a		X	X	X	X					IFTN VRX268	572F11	577617	n/a
oneAccess	1645 (one540, one700)	015.02 (5.2R1E4)	n/a				X	X		X	X		IFTN VRX268	n/a	574E17	n/a
	1645 (One540) ADSL POTS	011.10 (5.2R1E2)	n/a			X							IFTN VRX268	571801	n/a	n/a
	1645 (One540) ADSL ISDN	011.10 (5.2R1E2)	n/a						X				IFTN VRX268	571502	n/a	n/a
	ONE425	5.2R1E4	n/a			X	X		X	X			IFTN VRX268	n/a	574E17	n/a
Sagemcom	Fast 5360	SG4D10001242	n/a		X	X	X	X		X	X	X	BDCM 63138	42m	42m	42p1
	Fast 5360	SG4D10001318E	n/a		X	X	X	X		X	X	X	BDCM 63138	43j2	43j2	43j2
Siligence	Internet Box Plus (Stargate V1)	10.00.44	n/a		X	X	X	X		X	X		BDCM 63168	38q	38q	n/a
Thomson	TG789vac	R10.5.8.J	n/a		X	X	X	X					BDCM 63168	38q	38q	n/a
Westermo	Falcon	WeOS 4.21	n/a		X	X		X	X				Vinax	n/a	9611305	n/a
ZyXEL	P-870H-51a (V1, V2)	1.12(VFJ.10)	n/a			X	X						BDCM 6368	n/a	38q	n/a
	P-870H-53a (V1, V2)	1.12(VFK.10)	n/a						X	X			BDCM 6368	n/a	38r1	n/a
	P-870HN-51b (V1, V2)	1.12(VFH.10)	n/a		X	X	X	X					BDCM 6368	38q	38q	n/a
	P-870HN-53b (V1, V2)	1.12(VFI.10)	n/a					X	X	X			BDCM 6368	38r1	38r1	n/a
	SBG 3300N (3500N, 3600N, VMG1312)	V100AAV1C0 (V100AATP1C0, V100AAZN3C0, V100AAJZ6C1)	n/a				X	X					BDCM 63168	n/a	38q	n/a
	SBG 3300N-I (3500N-I)	V100AADX1C0 (V100AATQ1C0)	n/a						X	X			BDCM 63168	n/a	38r1	n/a
	SBG5500-A	V1.10(AAZT.0)C0	n/a			X	X		X	X			BDCM 63138	n/a	42m	n/a

1.2 Not-Approved VDSL-modems and routers

The xDSL equipment mentioned in the list is tested, but did not meet the necessary VDSL requirements of Swisscom (Switzerland) Ltd for approval. Swisscom(Switzerland) Ltd. will accept further usage only based on the terms and conditions of a signed declaration "Erklärung der FDA in Bezug auf den Weiterbetrieb der Fritzbox 7390\*".

Supplier	Model	Customer Premises Equipment			Technology								Chipset				
		Firmware	CPE-DP		Fiber	SDSL	POTS			ISDN			Model	ADSL	DP		
							ADSL	ADSL2+	VDSL2	ADSL	ADSL2+	VDSL2			V-VDSL2	VDSL2	G.fast
AVM	Fritzbox 7390	84.06.53 (*6 months cancellation period in 2017, 2018 3 months)	1.68.26.47			X	X	X	X					IKNS Vx180	n/a	n/a	n/a

2 BBCS approved ADSL equipment

2.1 ADSL-modems and routers Annex A

The ADSL equipments mentioned in the list, are tested and approved by Swisscom (Switzerland) Ltd.  
Swisscom recommends the End User to use the ADSL modems and routers tested and approved by Swisscom (Switzerland) Ltd.

Type of Equipment	Type / Description	DHCP / PPP	ADSL @IP DSLAM	Manufacturer	Link Documentation
ADSL over POTS	Cisco 827 Router; Ethernet interface	PPP only	(✓)	Cisco	<a href="http://www.cisco.com/univercd/cc/td/doc/pcat/827.htm">www.cisco.com/univercd/cc/td/doc/pcat/827.htm</a>
ADSL Annex A	Cisco 837 Router; Ethernet interface	PPP only	(✓)	Cisco	<a href="http://www.cisco.com/univercd/cc/td/doc/product/access/acs_fix/837/qsg/837qsg.htm">www.cisco.com/univercd/cc/td/doc/product/access/acs_fix/837/qsg/837qsg.htm</a>
ADSL Annex A	Cisco 877 Router; Ethernet interface	PPP only	✓	Cisco	<a href="http://www.cisco.com/en/US/products/ps6202/index.html">http://www.cisco.com/en/US/products/ps6202/index.html</a>
ADSL Annex A	Cisco 1700 with WIC-1ADSL Router; Ethernet interface	PPP only	✓	Cisco	<a href="http://www.cisco.com/univercd/cc/td/doc/pcat/1721.htm">www.cisco.com/univercd/cc/td/doc/pcat/1721.htm</a>
ADSL Annex A	Cisco 2600 with WIC-1ADSL Router; Ethernet interface	PPP only	✓	Cisco	<a href="http://www.cisco.com/univercd/cc/td/doc/pcat/2600.htm">http://www.cisco.com/univercd/cc/td/doc/pcat/2600.htm</a>
ADSL Annex A	Zyxel P-642ME-11 / P-642R-11	PPP only	✓	ZyXEL	<a href="http://www.studerus.ch">www.studerus.ch</a>
ADSL Annex A	Zyxel P-650ME-11 / P-650R-11 / P-650H-11 / P-650HW-11 / P-652R-11	PPP only	✓	ZyXEL	<a href="http://www.studerus.ch">www.studerus.ch</a>

BBCS Proved Equipment List

Type of Equipment	Type / Description	DHCP / PPP	ADSL @IP DSLAM	Manufacturer	Link Documentation
ADSL Annex A	Zyxel P-650ME-31 / P-650R-31 / P-650H-31 / P-650HW-31 / P-652H-31 / P-652HW-31	PPP only	✓	ZyXEL	<a href="http://www.studerus.ch">www.studerus.ch</a>
ADSL Annex A	Zyxel P-630-C1	PPP only	✓	ZyXEL	<a href="http://www.studerus.ch">www.studerus.ch</a>
ADSL Annex A	Zyxel P-650R-E1 / P-653HWI-11 / P-653HI-31	PPP only	✓	ZyXEL	<a href="http://www.studerus.ch">www.studerus.ch</a>
ADSL Annex A	Zyxel P-623ME-T1	PPP only	✓	ZyXEL	<a href="http://www.studerus.ch">www.studerus.ch</a>
ADSL Annex A	Zyxel P-660R-61 / P-660H-61 / P-660HW-61 / P-662HW-61	PPP only	✓	ZyXEL	<a href="http://www.studerus.ch">www.studerus.ch</a>
ADSL Annex A	Zyxel P-2602R-61 / P-2602HW-61	PPP only	✓	ZyXEL	<a href="http://www.studerus.ch">www.studerus.ch</a>
ADSL Annex A	Zyxel P-660ME-T1	PPP only	✓	ZyXEL	<a href="http://www.studerus.ch">www.studerus.ch</a>
ADSL Annex A	Zyxel P-660H-D1 / P-660HW-D1 / P-661HW-D1 / P-661H-D1 / P-662H-D1 / P-662HW-D1 / P-2602RL-D1 (Orange BabyBox)	PPP only	✓	ZyXEL	<a href="http://www.studerus.ch">www.studerus.ch</a> FW 3.40(APE.0)D1 Baugleich mit 660HW-D1
ADSL Annex A	Zyxel P-660ME-D1 / P-660R-D1	PPP only	✓	ZyXEL	<a href="http://www.studerus.ch">www.studerus.ch</a>
ADSL Annex A	Zyxel P-660HN-F1Z	PPP only	✓	ZyXEL	<a href="http://www.studerus.ch">www.studerus.ch</a>
ADSL Annex A	Zyxel P-660HU-T1 / P660HNU-T1	PPP/DHCP	✓	ZyXEL	<a href="http://www.studerus.ch">www.studerus.ch</a> Firmware: 1.02(VLM.2)D0 Datapump: 3.16.20.7A

Comments:

- ✓ CPE is ADSL@IP DSLAM tested and OK
- (✓) CPE is ADSL@IP DSLAM tested and OK but performance is low
- (-) CPE is under ADSL@IP DSLAM testing
- ✘ CPE is ADSL@IP DSLAM tested and NOT OK
- CPE is not ADSL@IP DSLAM tested



2.2 ADSL-modems and routers for Annex B

The ADSL equipments mentioned in the list, are tested and approved by Swisscom (Switzerland) Ltd.  
Swisscom recommends the End User to use the ADSL modems and routers tested and approved by Swisscom (Switzerland) Ltd.

Type of Equipment	Type / Description	DHCP / PPP	ADSL @ IP DSLAM	Manufacturer	Link Documentation
ADSL Annex B	Cisco 836 Ethernet interface	PPP only	(✓)	Cisco	<a href="http://www.cisco.com/univercd/cc/td/doc/product/access/acs_fix/836/qsg/836qsg.htm">www.cisco.com/univercd/cc/td/doc/product/access/acs_fix/836/qsg/836qsg.htm</a>
ADSL Annex B	Zyxel Prestige 630-13 / P-650ME-13 / P-650R-13 / P-650H-13 / P-650HW-13 / P-652R-13	PPP only	✓	ZyXEL	<a href="http://www.studerus.ch">www.studerus.ch</a>
ADSL Annex B	Zyxel P-630-C3	PPP only	✓	ZyXEL	<a href="http://www.studerus.ch">www.studerus.ch</a>
ADSL Annex B	Zyxel P-650ME-33 / P-650R-33 / P-650HW-33 / P-652HW-33 / P-650H-33 / P-652H-33	PPP only	✓	ZyXEL	<a href="http://www.studerus.ch">www.studerus.ch</a>
ADSL Annex B	Zyxel P-650R-E3 / P-653HWI-13 / P-653HI-33	PPP only	✓	ZyXEL	<a href="http://www.studerus.ch">www.studerus.ch</a>
ADSL Annex B	Zyxel Prestige 623ME-T3	PPP only	✓	ZyXEL	<a href="http://www.studerus.ch">www.studerus.ch</a>
ADSL Annex B	Zyxel P-660HW-63 / P-662HW-63 / P-660H-63 / P-660R-33	PPP only	✓	ZyXEL	<a href="http://www.studerus.ch">www.studerus.ch</a>

**BBCS Proved Equipment List**

Type of Equipment	Type / Description	DHCP / PPP	ADSL @ IP DSLAM	Manufacturer	Link Documentation
ADSL Annex B	Zyxel P-2602R-63 / P-2602HW-63	PPP only	✓	ZyXEL	<a href="http://www.studerus.ch">www.studerus.ch</a>
ADSL Annex B	Zyxel P-660ME-T3	PPP only	✓	ZyXEL	<a href="http://www.studerus.ch">www.studerus.ch</a>
ADSL Annex B	Zyxel P-660R-D3 / P-660ME-D3	PPP only	✓	ZyXEL	<a href="http://www.studerus.ch">www.studerus.ch</a> Baugleich mit 660HW-D3
ADSL Annex B	Zyxel P-660H-D3 / P-660HW-D3 / P-661H-D3 / P-661HW-D3 / P-662H-D3 / P-662HW-D3 / P-2602RL-D3 (Orange BabyBox)	PPP only	✓	ZyXEL	<a href="http://www.studerus.ch">www.studerus.ch</a> FW 3.40(APN.0)D1 Baugleich mit 660HW-D3
ADSL Annex B	Zyxel P-660HN-F3Z	PPP only	✓	ZyXEL	<a href="http://www.studerus.ch">www.studerus.ch</a>

Comments:

- ✓ CPE is ADSL@IP DSLAM tested and OK
- (✓) CPE is ADSL@IP DSLAM tested and OK but performance is low
- (-) CPE is under ADSL@IP DSLAM testing
- ✘ CPE is ADSL@IP DSLAM tested and NOT OK
- CPE is not ADSL@IP DSLAM tested

### 3 Disclaimer

- The CPE (modem or router) is owned by the End User or (I)SP and is under the service responsibility of the End User or (I)SP.
- This document is subject to alterations. Swisscom (Switzerland) Ltd. is not responsible for CPE changes, which are not tested separately.
- In case of an End User in-house problem, Swisscom (Switzerland) Ltd. will test the line synchronisation with a Swisscom CPE as reference. It is possible that the CPE from another manufacturer does not synchronise due to longer distance between the Central Office and the End User.