

Cisco IOS Software Release-to-DSL Firmware Version Mapping on Cisco Access Routers

PB2645

This product bulletin summarizes Cisco IOS[®] Software releases and their respective default DSL chipset firmware versions supported on various DSL products. It is recommended that the matrices in this document be followed in certifying different DSL firmware with Cisco IOS Software release combinations. Only the combinations listed in Tables 1 through 7 have been tested by Cisco. As new combinations are verified they will be added to this document.

Summary of Tables

Table 1 lists the default firmware versions and Cisco IOS Software release combinations that are tested for the fixed config Integrated Services Routers (ISRs): Cisco 850, 870 & 180X series.

Table 2 lists the default firmware versions and Cisco IOS Software release combinations that are tested for the HWICs supported on the modular ISRs (1841, 2800 & 3800 Series): HWIC-1ADSL, HWIC-1ADSLI and HWIC-1ADSL-M.

Table 3 lists the default firmware versions and Cisco IOS Software release combinations that are tested for the asymmetric DSL (ADSL) WAN interface cards (WICs) on the Cisco[®] 1700, 1800, 2600, 2800, 3700, and 3800 series platforms.

Table 4 lists the default firmware versions with Cisco IOS Software release combinations for the small office or home office (SOHO) and Cisco 800 Series.

Table 5 & 6 lists the default G.shdsl firmware for all Cisco IOS Software releases on all G.shdsl platforms. The G.shdsl WICs and the fixed configuration G.shdsl routers do not have the option of firmware change with Cisco IOS Software releases. Hence, there has been no change to the default firmware.

Table 7 lists other Cisco IOS Software release-to-DSL products tested for ADSL WICs.

Table 8 lists other Cisco IOS Software Releases-to-DSL Firmware Mapping tested for ADSL/ADSL2/ADSL2+ fixed configuration ISRs as well as the ADSL/ADSL2/ADSL2+ HWICs.

Table 1. Cisco IOS Software Release-to-ADSL Firmware Mapping for 850, 870, 180X Series

Cisco 857, 877, 1801		Cisco 876, 1802		Cisco 877-M, 1801-M	
Default Firmware Version	Cisco IOS Software Releases Supported	Default Firmware Version	Cisco IOS Software Releases Supported	Default Firmware Version	Cisco IOS Software Releases Supported
2.5.011	12.3(8)YI1, 12.3(8)YI2, 12.3(14)YT, 12.3(14)YT1, and 12.4(2)T ¹	2.5.011	12.3(8)YI1, 12.3(8)YI2, 12.3(14)YT, 12.3(14)YT1, and 12.4(2)T ¹		
2.5.27	12.4(4)T, 12.4(4)T1	2.5.27	12.4(4)T, 12.4(4)T1		
2.5.42	12.4(6)T	2.5.42	12.4(6)T		
3.0.14	12.4(11)XJ, 12.4(6th)T	3.0.14	12.4(11)XJ, 12.4(15)T	3.0.14	12.4(11)XJ, 12.4(15)T

Table 2. Cisco IOS Software Release-to-ADSL Firmware Mapping for ADSL2/2+ HWICs

HWIC-1ADSL, HWIC-ADSL-B/ST		HWIC-1ADSLI, HWIC-ADSLI-B/ST	
Default Firmware Version	Cisco IOS Software Releases Supported	Default Firmware Version	Cisco IOS Software Releases Supported
2.5.27	12.4(4)T, 12.4(4)T1	2.5.27	12.4(4)T, 12.4(4)T1
2.5.42	12.4(6)T	2.5.42	12.4(6)T
3.0.14	12.4(11)XJ, 12.4(15)T	3.0.14	12.4(11)XJ, 12.4(15)T

Table 3. Cisco IOS Software Release-to-ADSL Firmware Mapping for ADSL WICs

WIC-1ADSL		WIC-1ADSL-I-DG		WIC-1ADSL-DG	
Default Firmware Version	Cisco IOS Software Releases Supported	Default Firmware Version	Cisco IOS Software Releases Supported	Default Firmware Version	Cisco IOS Software Releases Supported
3.67	12.1(5)YB4 and 12.2(2)T1	13.9.22	12.2(13)ZH		
3.717	12.2(2)XH, 12.2(2)XQ1, 12.2(2)XJ, 12.2(2)XK, 12.2(4)XW, 12.2(4)XL, 12.2(4)XM, and 12.2(4)T1	13.9.141	12.2(15)ZL	13.9.141	12.2(15)ZL
3.8129	12.2(4)YA, 12.2(4)YB, 12.2(4)YH, 12.2(8)YJ, 12.2(8)YL, 12.2(8)YM, 12.2(8)T, and 12.2(11)T	13.9.29	12.3(4)T	13.9.29	12.3(4)T
3.8131	12.2(8)YN, 12.2(11)YU, 12.2(11)YV, 12.2(13)ZF, 12.2(13)ZH, 12.2(15)ZL, 12.3(2)XE, 12.3(4)XG, 12.3(4)XK, 12.3(4)XQ, 12.3(4)XR, 12.3(8)XX, 12.2(15)T, 12.3T, 12.4T	13.9.38	12.3(7)T	13.9.38	12.3(7)T
—	—	13.9.31	12.3(2)XE, 12.3(4)XG, 12.3(4)XK, 12.3(4)XQ, 12.3(4)XR, 12.3(8)XX, 12.3(8)T, and 12.3(11)T	13.9.31	12.3(2)XE, 12.3(4)XG, 12.3(4)XK, 12.3(4)XQ, 12.3(4)XR, 12.3(8)XX, 12.3(8)T, and 12.3(11)T
—	—	13.10.1	12.3(14)T, 12.4T	13.10.1	12.3(14)T, 12.4T

¹ The 180X is not supported on the 12.4(2)T IOS release.

Table 4. Cisco IOS Software Release-to-ADSL Firmware Mapping for Cisco SOHO and Cisco 800 Series

Cisco 837 and Cisco SOHO 97		Cisco 836 and Cisco SOHO 96	
Default Firmware Version	Cisco IOS Software Releases Supported	Default Firmware Version	Cisco IOS Software Releases Supported
3.9.19	12.2(8)YN, 12.2(11)YV, 12.2(13)ZG, and 12.2(13)ZG	4.10.1	12.2(11)YV, 12.2(13)ZH, 12.3(2)XA, 12.3(2)XC, 12.3(2)XE, 12.3(4)XG, 12.3(7)XR, 12.3(8)YA, 12.3(4)T, 12.3(7)T, 12.3(8)T, 12.3(11)T, 12.3(14)T, 12.4(1), 12.4T
3.9.220	12.2(13)ZH, 12.3(2)XA, 12.3(2)XC, 12.3(2)XE, 12.3(4)XG, 12.3(7)XR, 12.3(8)YA, 12.3(4)T, 12.3(7)T, 12.3(8)T, 12.3(11)T, 12.3(14)T, 12.4(1), 12.4T		

Table 5. Cisco IOS Software Releases-to-G.shdsl Firmware Mapping for Cisco 828, 878, 1803

Cisco 828		Cisco 878/Cisco 1803	
Default Firmware Version	Cisco IOS Software	Default Firmware Version	Cisco IOS Software
1.5	12.4.(7), 12.4.(5)a, 12.4.(5), 12.4.(3)c, 12.4.(3)b, 12.4.(3)a, 12.4.(3), 12.4(1)c, 12.4.(1)b, 12.4.(1)a	3.0.1	12.4.(4)T2, 12.4.(4)T1, 12.4.(4)T, 12.4(4)XC, 12.4.(2)T4, 12.4.(2)T3, 12.4.(2)T2, 12.4.(2)T1, 12.4.(2)T, 12.4.(2)XA1, 12.4(2)XA
–	–	3.05	12.4(6)T

Table 6. Cisco IOS Software Releases-to-G.shdsl Firmware Mapping for G.shdsl WICs

WIC-1SHDSL		WIC-1SHDSL-V2		WIC-1SHDSL-V3	
Default Firmware Version	Cisco IOS Software Releases Supported	Default Firmware Version	Cisco IOS Software Releases Supported	Default Firmware Version	Cisco IOS Software Releases Supported
R1.5	All releases that support the WIC	A29733	All releases that support the WIC	3.0.1	All releases that support the platform
n/a	n/a	R.3.05	12.4T	3.05	12.4T

Table 7. Other Cisco IOS Software Releases-to-DSL Firmware Mapping Tested-DSL WICs

WIC-1ADSL		
Firmware Version	Cisco IOS Software Releases Supported	DSLAMs Tested
3.9.19	12.2(13)ZH3 and 12.3(1a)	Alcatel (UD, SD, & HD); Lucent (LIM-24 & 48)

Table 8. Other Cisco IOS Software Releases-to-DSL Firmware Mapping Tested

Firmware Version	Cisco IOS Software Releases Supported	Supported Platforms and Modules	DSLAMs Tested
4.10.9	Tested with 12.3(8)T11, applicable to all versions listed in Table 4.	836	Alcatel (ADLT-N), Lucent (LIM-48), ECI SAM240 (ATUC-16 & 16A)
2.6.4	12.4(6)T, 12.4(9)T	HWIC-1ADSL, HWIC-1ADSLI, HWIC-ADSL-B/ST, HWIC-ADSL-IB/ST, Cisco 857, 877, 876, 1801, 1802	Alcatel (UD, SD & HD); Lucent (LIM-48 & 72), ECI SAM240 (ATUC-16 & 16A), Siemens Xpresslink2.0, Siemens Xpresslink2.1, Marconi AXH600

Firmware Version	Cisco IOS Software Releases Supported	Supported Platforms and Modules	DSLAMs Tested
3.0.10	12.4(6)T, 12.4(9)T	HWIC-1ADSL, HWIC-1ADSLI, HWIC-ADSL-B/ST, HWIC-ADSL-IB/ST, Cisco 857, 877, 876, 1801, 1802	Alcatel (UD, SD & HD); Lucent (LIM-48 & 72), ECI SAM240 (ATUC-16 & 16A), Siemens Xpresslink2.0, Siemens Xpresslink2.1, Marconi AXH600
3.0.33	12.4(6)T and later	HWIC-1ADSL, HWIC-ADSL-B/ST, Cisco 857, 877, 1801	Alcatel (UD, SD & HD-ADLT-LJ, ABLT-D, EBLT-C); Lucent (LIM72, A2P, A2P-HB1), ECI SAM480 (ATUC-32A, ATU-C64 DSP1.3)
3.0.27	12.4(6)T and later	1801-M	Alcatel (UD, SD & HD – ADLT-E, J, L and ABLT-D), Lucent Stinger (LIM24, LIM48, LIM72, LIM72-A2P)
3.0.39	12.4(6)T and later	876	Alcatel (UD, SD & HD – ADLT-N, F, K and ABLT-F), Lucent Stinger (LIM48)
4.0.3	12.4(6)T and later	HWIC-1ADSL, HWIC-1ADSLI, HWIC-ADSL-B/ST, HWIC-ADSL-IB/ST, Cisco 857, 877, 876, 1801, 1802	Alcatel (UD, SD & HD); Lucent (LIM-48 & 72), ECI SAM240 (ATUC-16 & 16A), Siemens Xpresslink2.0, Siemens Xpresslink2.1, Marconi AXH600 and more



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