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Overview

Cisco Integrated Services Routers offer a wide variety of WAN connectivity modules to accommodate the range of application needs in customer networks. The Cisco ADSL2 and ADSL2+ high-speed WAN interface cards (HWICs) deliver business-class asymmetric DSL (ADSL) services for customers ranging from small-to-medium sized businesses to enterprise branch offices. Both, 1-port and 2-port HWIC cards are available. While the 1-port HWIC card has an ADSL port, the 2-port HWIC card has an ISDN BRI backup port in addition to the ADSL port.

The ADSL HWICs provide 1-port ADSL connectivity to a WAN. These HWICs, combined with the Cisco 1941 Integrated Services Router (ISR), Cisco 1861 Integrated Services Router, the Cisco 2900 series Integrated Services Routers, 3900 series Integrated Services Routers (ISRs), 1841 ISR, 2800 and 3800 ISRs provide high-speed digital data transmission between customer premises equipment (CPE) and a central office. This enables service providers and resellers to offer additional services by supporting features for business-class security, voice integration, differentiated classes of service (CoS), and managed network access with Cisco IOS® Software. These value-added features, along with the manageability and reliability of Cisco IOS Software technology, provide the mission-critical networking that businesses require.

Both the 1-port and 2-port HWIC cards are supported on the Cisco 1841, 1861, 2801, 2811, 2821, 2851, 3825, 3845, 1941, 2901, 2911, 2921, 2951, 3925 and 3945 ISRs. The 1-port HWICs are supported starting with Cisco IOS Software Release 12.4(4)T and the 2-port HWICs are supported starting with Cisco IOS Software Release 12.4(6)T on the Cisco 1841, 1861, 2801, 2811, 2821, 2851, 3825, 3845 ISRs. The 1-port and 2-port HWICs are supported starting with Cisco IOS Software Release 15.0(1)M for 1941, 2901, 2911, 2921, 2951, 3925 and 3945 ISRs.

Specification

General Information	
Manufacturer:	Cisco
Product ID:	HWIC-1ADSLI
Product Description:	1-port ADSLoISDN HWIC
Product Type:	HWIC
Marketing Information	
Cisco integrated services routers offer a wide variety of WAN connectivity modules to accommodate the range of application needs in customer networks. The new Cisco 1-port ADSL over ISDN High-speed Wan Interface Card (HWIC) delivers business-class asymmetric DSL (ADSL) services for customers ranging from small-to-medium sized businesses to enterprise branch offices.	
Technical Information	
Application/Usage:	Wide Area Network
Interfaces/Ports	
Interfaces/Ports:	1 x RJ-11 ADSLoISDN
Media & Performance	
Connectivity Media:	Twisted Pair
Data Transfer Rate:	8 Mbps ADSL Downstream 819.20 Kbps ADSL Upstream 12 Mbps ADSL2 Downstream 1 Mbps ADSL2 Upstream 24 Mbps ADSL2+ Downstream 1.50 Mbps ADSL2+ Upstream

Management & Protocols	
Digital Signaling Protocol:	ADSL over ISDN, ADSL2, ADSL2+
Protocols & Specifications:	ITU G.992.3 (G.DMT.bis), ITU G.992.5, ITU G.992.1 (G.DMT) Annex B
Environmental Conditions	
Temperature:	32°F (0°C) to 104°F (40°C) Operating -4°F (-20°C) to 149°F (65°C) Storage
Humidity:	10% to 90% Non-condensing Relative Humidity
Physical Characteristics	
Dimensions:	0.8" Height x 3.1" Width x 4.7" Depth
Weight (Approximate):	3.04 oz
Miscellaneous	
Additional Information:	<ul style="list-style-type: none"> · Supports AAL5 · Supports up to 23 virtual circuits per HWIC · One RJ-11 ADSL interface

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