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Refurbished CISCO CISCO1841-SHDSL-V3 Datasheet

CISCO > ROUTERS

Cisco 1800 Series Integrated Services Routers

Architecture Features and Benefits of Cisco 1841 Router	
Feature	**Benefit**
High-Performance Processor	Supports concurrent deployment of high-performance, secure data services with headroom for future applications
Modular Architecture	Offers wide variety of LAN and WAN options; network interfaces are field-upgradable to accommodate future technologies Provides many types of slots to add connectivity and services in the future on an "integrate-as-you-grow" basis Supports more than 30 modules and interface cards, including existing WAN (WIC) and multiflex (VWIC) interface cards (for data support only on the Cisco 1841 router) and advanced integration modules (AIMs)
Integrated Hardware-Based Encryption Acceleration	Offers cryptography accelerator as standard integrated hardware that can be enabled with an optional Cisco IOS Software for 3DES and AES encryption support Provides enhanced feature set of security performance through support of optional VPN acceleration card for VPN 3DES or AES encryption
Ample Default Memory	Provides 64 MB of Flash and 256 MB of synchronous dynamic RAM (SDRAM) memory to support deployment of concurrent services
Integrated Dual High-Speed Ethernet LAN Ports	Helps enable connectivity speeds up to 100BASE-T Ethernet technology without the need for cards and modules Allows segmentation of the LAN
Support for Cisco IOS 12.3T, 12.4, 12.4T Feature Sets and Beyond	Supports the Cisco 1841 router starting with Cisco IOS Software Release 12.3T Helps enable end-to-end solutions with support for latest Cisco IOS Software-based QoS, bandwidth management, and security features
Integrated Standard Power Supply	Provides for easier installation and management of the router platform

Modularity Features and Benefits of Cisco 1841 Router	
Feature	**Benefit**
HWIC Slots	The modular architecture on the Cisco 1841 router supports HWIC slots. The newly designed high-speed WAN interface slots significantly increase the data-throughput capability (up to 800-Mbps aggregate). Table 6 lists the High Speed WAN Interface cards supported on the Cisco 1841. Both slots on the Cisco 1841 router are HWIC slots and provide compatibility with WICs and multiflex trunk (VWICs) interface cards (for data only).
AIM Slots (internal)	The Cisco 1841 router supports hardware-accelerated encryption through AIM modules (AIM-VPN/SSL-1) and intrusion prevention through AIM-IPS-K9 module The Cisco 1841 router has one internal AIM slot.

Features and Benefits of Secure Networking	
Feature	**Benefit**
Hardware-Based Encryption on Motherboard	Support for hardware-based encryption on the Cisco 1841 can be enabled through an optional Cisco IOS Software security image.
AIM-Based VPN Acceleration	Support for an optional dedicated VPN AIM can deliver two to three times the performance of embedded encryption capabilities.
SSL Web VPN	Allows businesses to securely and transparently extend their networks to any Internet-enabled location using SSL VPN; the Cisco IOS WebVPN supports clientless access to applications such as HTML-based intranet content, e-mail, network file shares, and Citrix and to the Cisco SSL VPN Client, enabling full network access remotely to virtually any application

AIM-Based SSL VPN	An optional dedicated SSL VPN AIM module provides SSL VPN acceleration and supports two times the number of tunnels when compared to embedded IOS based SSL VPN capabilities. The SSL VPN AIM module also supports IPSEC VPN and IP Payload Compression Protocol in hardware.
NAC	NAC allows network access only to compliant and trusted endpoint devices for antivirus defense.
IPS Support	Flexible support is provided with Cisco IOS Software. New intrusion-detection-system (IDS) signatures can be dynamically loaded independent of the Cisco IOS Software release.
Cisco Easy VPN Remote and Server Support	This feature eases administration and management of point-to-point VPNs by actively pushing new security policies from a single headend to remote sites.
Dynamic Multipoint VPN (DMVPN)	DMVPN is a Cisco IOS Software solution for building IPSec + generic routing encapsulation (GRE) VPNs in an easy and scalable manner.
Group Encrypted Transport (GET) VPN	GET VPN is a Cisco IOS Software solution that simplifies securing large Layer 2 or MPLS networks requiring partial or full-mesh connectivity by providing tunnel-less VPN connectivity
Cisco IOS Firewall, Including URL Filtering	URL filtering support is available with optional Cisco IOS Security Software.
Real-Time Clock Support	Real-time clock support keeps an accurate value of date and time for applications that require an accurate time stamp-such as logging, debugging, and digital certificates.
Cisco Security Device Manager	An intuitive, easy-to-use, Web-based device management tool embedded within the Cisco IOS Software access routers can be accessed remotely for faster and easier deployment of Cisco routers for both WAN access and security features. Cisco SDM helps resellers and customers to quickly and easily deploy, configure, and monitor a Cisco access router without requiring knowledge of the Cisco IOS Software command-line interface.
USB Port (1.1)	The integrated USB port is configurable with an optional USB token for secure configuration distribution and off-platform storage of VPN credentials.

Cost of Ownership and Ease of Use-Features and Benefits

Feature	Benefit
Integrated Channel Service Unit (CSU)/ Data Service Unit (DSU)	This feature consolidates typical communications equipment found in branch-office wiring closets into a single, compact unit. This space-saving solution provides better manageability.
USB Port (1.1)	The integrated USB peripheral port is provided to allow support for enhanced provisioning and simplified image distribution as well as other functions. These enhancements aid in reducing support costs and downtime.
Enhanced Setup Feature	An optional setup wizard with context-sensitive questions guides the user through the router configuration process, allowing faster deployment.
CiscoWorks, CiscoWorks VPN/Security Management Solution (VMS) and Cisco IP Solution Center (ISC) Support	Advanced management and configuration capabilities are offered through a Web-based GUI.
Cisco AutoInstall	This feature configures remote routers automatically across a WAN connection to save the cost of sending technical staff to the remote site.

Product Specifications of Cisco 1841 Router

Chassis

Form Factor	Desktop, 1-rack-unit (1RU) height (4.75 cm high with rubber feet)
Chassis	Metal
Wall-Mountable	Yes
Rack-Mountable	Yes (Optional Rackmount kit: ACS-1841-RM-19=)
Dimensions (W x D)	13.5 x 10.8 in. (34.3 x 27.4 cm) Height without rubber feet: 1.73 in. (4.39 cm) Height with rubber feet: 1.87 in. (4.75 cm)

Architecture

DRAM	Synchronous dual in-line memory module (DIMM) DRAM
DRAM Capacity	Default: 256 MB Maximum: 384 MB

Flash Memory	External compact Flash
Flash Memory Capacity	Default: 64 MB Maximum: 128 MB
Modular Slots-Total	Two
Modular Slots for WAN Access	Two
Modular Slots for HWICs	Two
Modular Slots for Voice Support	None-The Cisco 1841 does not support voice
Analog and Digital Voice Support	No
VoIP Support	Voice-over-IP (VoIP) pass-through only
Onboard Ethernet Ports	Two 10/100
Onboard USB Ports	One (1.1)
Console Port	One-up to 115.2 kbps
Auxiliary Port	One-up to 115.2 kbps
Onboard AIM Slots	One (internal)
Packet-Voice-DSP-Module (PVDM) Slots on Motherboard	None-The Cisco 1841 does not support voice
Integrated Hardware-based Encryption on Motherboard	Yes

Power Supply Specifications

Internal Power Supply	Yes
Redundant Power Supply	No
DC Power Support	No
AC Input Voltage	100 to 240 VAC
Frequency	50 to 60 Hz
AC Input Current	1.5A maximum

Software Support

First Cisco IOS Software Release	12.3(8)T

Environmental

Operating Temperature	32 to 104°F (0 to 40°C)
Operating Humidity	10 to 85% noncondensing operating; 5 to 95% noncondensing, nonoperating
Nonoperating Temperature	-4 to 149°F (-25 to 65°C)
Operating Altitude	10,000 feet (3000 meters) @ 77°F (25°C)

Regulatory Compliance

Safety	UL60950-1 CAN/CSA 60950-1 AS 3260 EN60950-1
EMI	EN 55022, 1998, class A CISPR22, 1997, class A CFR47, Part 15, Subpart B, 1995, class A EN61000-3-2 Harmonic Current Emission (only for equipment >75W but <16A) EN61000-3-3 Voltage Fluctuation and Flicker (only for equipment ≤16A)
Immunity	CISPR24, 1997 ITE-Immunity characteristics, Limits and methods of measurement EN 55024,1998 ITE-Immunity characteristics, Limits and methods of measurement EN50082-1, 1997 Electromagnetic compatibility-Generic immunity standard, Part 1 EN 300 386, 1997 Telecommunications network equipment EMC requirements The requirements are covered by the following standards: IEC 61000-4-2:1995 Immunity to Electrostatic Discharges IEC 61000-4-3:1995 Immunity to Radio Frequency Electromagnetic Fields IEC 61000-4-4:1995 Immunity to Electrical Fast Transients

	IEC 61000-4-5:1995 Immunity to Power Line Transients (Surges) IEC 61000-4-6:1996 Immunity to Radio Frequency Induced Conducted Disturbances IEC 61000-4-11:1995 Immunity to Voltage Dips, Voltage Variations, and Short Voltage Interruptions
Network Homologation	USA-TIA-968-A, T1.TRQ.6-2001 Canada-CS-03 European Union-RTTE Directive 5/99 Argentina-CTR 21 Australia-AS/ACIF S002, S003, S016, S031, 3043 Brazil-225-540-788, CTR3, 225-100-717 Edition 3, NET 001/92 1990 China-ITU-G.992.1, ITU-G.992.1, ITU-G.991.2, CTR3, ITU I.431 1993 Hong Kong-HKTA 2033, HKTA 2033, HKTA 2014, HKTA 2017 Issue 3 2003, HKTA 2011 Issue 1, HKTA 2011 Issue 2, HKTA 2013 Issue 1 India-I_DCA_18_02_Jun_99-199, S/ISN-01/02 Issue 1999 S/ISN-02 1 1998, IR/PRI-01/02 Issue 1 1998, S/INT-2W/02 MAY 2001, S/INT-2W/02 MAY 2001 Israel-U.S. approval accepted Japan-Technical condition (DoC acceptance in process) Korea-U.S. approval accepted Mexico-U.S. approval accepted New Zealand-PTC 270/272, CTR 3, ACA 016 Revision 4 1997, PTC 200 Singapore-IDA TS ADSL1 Issue 1, IDA TS ADSL 2, IDA TS HDSL, IDA TS ISDN 1 Issue 1 1999, IDA TS ISDN 3 Issue 1 1999, IDA TS PSTN 1 Issue 4, IDA TS PSTN 1 Issue 4, IDA TS PSTN 1 Issue 4 South Africa-U.S. approval accepted Taiwan-U.S. approval accepted

Cisco IOS Software Images for the Cisco 1841 Router in 12.4(T)

Cisco 1841	List of Supported Images in 12.4(T)
Default image: c1841-ipbase-mz	IP BASE W/O CRYPTO
C1841-ipbasek9-mz	IP BASE
C1841-advsecurityk9-mz	ADVANCED SECURITY
C1841-broadband-mz	BROADBAND
C1841-entbase-mz	ENTERPRISE BASE W/O CRYPTO
C1841-entbasek9-mz	ENTERPRISE BASE
C1841-entservices-mz	ENTERPRISE SERVICES W/O CRYPTO
C1841-entservicesk9-mz	ENTERPRISE SERVICES
C1841-advipservicesk9-mz	ADVANCED IP SERVICES
C1841-adventerprisek9-mz	ADVANCED ENTERPRISE SERVICES
C1841-spservicesk9-mz	SP SERVICES

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