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Regulatory Compliance and Safety Information for the Cisco 200 Series of ISDN Adapters

This publication provides international regulatory and safety compliance information for the Cisco 200 series of ISDN Adapters. Use this publication with the installation documentation that shipped with your ISDN adapter.

Note These publications are available on the Cisco Connection Documentation CD-ROMs and on the World Wide Web at <http://www.cisco.com>. In addition, printed copies can be ordered.

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Safety Information

This section includes translations in multiple languages of the warnings that appear in the installation documentation that shipped with the ISDN adapter. Before working on equipment, be aware of the hazards involved with electrical circuitry and standard safety practices to prevent accidents.

Warning Definition



Warning This warning symbol means *danger*. You are in a situation that could cause bodily injury. Before you work on any equipment, be aware of the hazards involved with electrical circuitry and be familiar with standard practices for preventing accidents.

Waarschuwing Dit waarschuwingssymbool betekent gevaar. U verkeert in een situatie die lichamelijk letsel kan veroorzaken. Voordat u aan enige apparatuur gaat werken, dient u zich bewust te zijn van de bij elektrische schakelingen betrokken risico's en dient u op de hoogte te zijn van standaard maatregelen om ongelukken te voorkomen.

Varoitus Tämä varoitusmerkki merkitsee vaaraa. Olet tilanteessa, joka voi johtaa ruumiinvammaan. Ennen kuin työskentelet minkään laitteiston parissa, ota selvää sähkökytkentöihin liittyvistä vaaroista ja tavanomaisista onnettomuuksien ehkäisykeinoista.

Attention Ce symbole d'avertissement indique un danger. Vous vous trouvez dans une situation pouvant causer des blessures ou des dommages corporels. Avant de travailler sur un équipement, soyez conscient des dangers posés par les circuits électriques et familiarisez-vous avec les procédures couramment utilisées pour éviter les accidents.

Warnung Dieses Warnsymbol bedeutet Gefahr. Sie befinden sich in einer Situation, die zu einer Körperverletzung führen könnte. Bevor Sie mit der Arbeit an irgendeinem Gerät beginnen, seien Sie sich der mit elektrischen Stromkreisen verbundenen Gefahren und der Standardpraktiken zur Vermeidung von Unfällen bewußt.

Avvertenza Questo simbolo di avvertenza indica un pericolo. La situazione potrebbe causare infortuni alle persone. Prima di lavorare su qualsiasi apparecchiatura, occorre conoscere i pericoli relativi ai circuiti elettrici ed essere al corrente delle pratiche standard per la prevenzione di incidenti.

Advarsel Dette varselsymbolet betyr fare. Du befinner deg i en situasjon som kan føre til personskade. Før du utfører arbeid på utstyr, må du være oppmerksom på de faremomentene som elektriske kretser innebærer, samt gjøre deg kjent med vanlig praksis når det gjelder å unngå ulykker.

Aviso Este símbolo de aviso indica perigo. Encontra-se numa situação que lhe poderá causar danos físicos. Antes de começar a trabalhar com qualquer equipamento, familiarize-se com os perigos relacionados com circuitos eléctricos, e com quaisquer práticas comuns que possam prevenir possíveis acidentes.

¡Atención! Este símbolo de aviso significa peligro. Existe riesgo para su integridad física. Antes de manipular cualquier equipo, considerar los riesgos que entraña la corriente eléctrica y familiarizarse con los procedimientos estándar de prevención de accidentes.

Warning! Denna varningssymbol signalerar fara. Du befinner dig i en situation som kan leda till personskada. Innan du utför arbete på någon utrustning måste du vara medveten om farorna med elkretsar och känna till vanligt förfarande för att förebygga skador.

Jewelry Removal Warning



Warning Before working on equipment that is connected to power lines, remove jewelry (including rings, necklaces, and watches). Metal objects will heat up when connected to power and ground and can cause serious burns or weld the metal object to the terminals.

Waarschuwing Alvorens aan apparatuur te werken die met elektrische leidingen is verbonden, sieraden (inclusief ringen, kettingen en horloges) verwijderen. Metalen voorwerpen worden warm wanneer ze met stroom en aarde zijn verbonden, en kunnen ernstige brandwonden veroorzaken of het metalen voorwerp aan de aansluitklemmen lassen.

Varoitus Ennen kuin työskentelet voimavirtajohtoihin kytkettyjen laitteiden parissa, ota pois kaikki korut (sormukset, kaulakorut ja kellot mukaan lukien). Metalliesineet kuumenevat, kun ne ovat yhteydessä sähkövirran ja maan kanssa, ja ne voivat aiheuttaa vakavia palovammoja tai hitsata metalliesineet kiinni liitäntänapoihin.

Attention Avant d'accéder à cet équipement connecté aux lignes électriques, ôter tout bijou (anneaux, colliers et montres compris). Lorsqu'ils sont branchés à l'alimentation et reliés à la terre, les objets métalliques chauffent, ce qui peut provoquer des blessures graves ou souder l'objet métallique aux bornes.

Warnung Vor der Arbeit an Geräten, die an das Netz angeschlossen sind, jeglichen Schmuck (einschließlich Ringe, Ketten und Uhren) abnehmen. Metallgegenstände erhitzen sich, wenn sie an das Netz und die Erde angeschlossen werden, und können schwere Verbrennungen verursachen oder an die Anschlußklemmen angeschweißt werden.

Avvertenza Prima di intervenire su apparecchiature collegate alle linee di alimentazione, togliersi qualsiasi monile (inclusi anelli, collane, braccialetti ed orologi). Gli oggetti metallici si riscaldano quando sono collegati tra punti di alimentazione e massa: possono causare ustioni gravi oppure il metallo può saldarsi ai terminali.

Advarsel Fjern alle smykker (inkludert ringer, halskjeder og klokker) før du skal arbeide på utstyr som er koblet til kraftledninger. Metallgjenstander som er koblet til kraftledninger og jord blir svært varme og kan forårsake alvorlige brannskader eller smelte fast til polene.

Aviso Antes de trabalhar em equipamento que esteja ligado a linhas de corrente, retire todas as jóias que estiver a usar (incluindo anéis, fios e relógios). Os objectos metálicos aquecerão em contacto com a corrente e em contacto com a ligação à terra, podendo causar queimaduras graves ou ficarem soldados aos terminais.

¡Advertencia! Antes de operar sobre equipos conectados a líneas de alimentación, quitarse las joyas (incluidos anillos, collares y relojes). Los objetos de metal se calientan cuando se conectan a la alimentación y a tierra, lo que puede ocasionar quemaduras graves o que los objetos metálicos queden soldados a los bornes.

Warning! Tag av alla smycken (inklusive ringar, halsband och armbandsur) innan du arbetar på utrustning som är kopplad till kraftledningar. Metallobjekt hettas upp när de kopplas ihop med ström och jord och kan förorsaka allvarliga brännskador; metallobjekt kan också sammansvetsas med kontaktarna.

Grounded Equipment Warning



Warning This equipment is intended to be grounded. Ensure that the host is connected to earth ground during normal use.

Waarschuwing Deze apparatuur hoort geaard te worden. Zorg dat de host-computer tijdens normaal gebruik met aarde is verbonden.

Varoitus Tämä laitteisto on tarkoitettu maadoitettavaksi. Varmista, että isäntälaitte on yhdistetty maahan normaalikäytön aikana.

Attention Cet équipement doit être relié à la terre. S'assurer que l'appareil hôte est relié à la terre lors de l'utilisation normale.

Warnung Dieses Gerät muß geerdet werden. Stellen Sie sicher, daß das Host-Gerät während des normalen Betriebs an Erde gelegt ist.

Avvertenza Questa apparecchiatura deve essere collegata a massa. Accertarsi che il dispositivo host sia collegato alla massa di terra durante il normale utilizzo.

Advarsel Dette utstyret skal jordes. Forviss deg om vertsterminalen er jordnet ved normalt bruk.

Aviso Este equipamento deverá estar ligado à terra. Certifique-se que o host se encontra ligado à terra durante a sua utilização normal.

¡Advertencia! Este equipo debe conectarse a tierra. Asegurarse de que el equipo principal esté conectado a tierra durante el uso normal.

Warning! Denna utrustning är avsedd att jordas. Se till att värdenheten är jordad vid normal användning.

Power Supply Warning



Warning Do not touch the power supply when the power cord is connected. For systems with a power switch, line voltages are present within the power supply even when the power switch is off and the power cord is connected. For systems without a power switch, line voltages are present within the power supply when the power cord is connected.

Waarschuwing U dient de voeding niet aan te raken zolang het netsnoer aangesloten is. Bij systemen met een stroomschakelaar zijn er lijnspanningen aanwezig in de voeding, zelfs wanneer de stroomschakelaar uitgeschakeld is en het netsnoer aangesloten is. Bij systemen zonder een stroomschakelaar zijn er lijnspanningen aanwezig in de voeding wanneer het netsnoer aangesloten is.

Varoitus Älä kosketa virtalähdettä virtajohdon ollessa kytkettynä. Virrankatkaisimella varustetuissa järjestelmissä on virtalähteen sisällä jäljellä verkkojännite, vaikka virrankatkaisin on katkaistu-asennossa virtajohdon ollessa kytkettynä. Järjestelmissä, joissa ei ole virrankatkaisinta, on virtalähteen sisällä verkkojännite, kun virtajohto on kytkettynä.

Attention Ne pas toucher le bloc d'alimentation quand le cordon d'alimentation est branché. Avec les systèmes munis d'un commutateur marche-arrêt, des tensions de ligne sont présentes dans l'alimentation quand le cordon est branché, même si le commutateur est à l'arrêt. Avec les systèmes sans commutateur marche-arrêt, l'alimentation est sous tension quand le cordon d'alimentation est branché.

Warnung Berühren Sie das Netzgerät nicht, wenn das Netzkabel angeschlossen ist. Bei Systemen mit Netzschalter liegen Leitungsspannungen im Netzgerät vor, wenn das Netzkabel angeschlossen ist, auch wenn das System ausgeschaltet ist. Bei Systemen ohne Netzschalter liegen Leitungsspannungen im Netzgerät vor, wenn das Netzkabel angeschlossen ist.

Avvertenza Non toccare l'alimentatore se il cavo dell'alimentazione è collegato. Per i sistemi con un interruttore di alimentazione, tensioni di linea sono presenti all'interno dell'alimentatore anche quando l'interruttore di alimentazione è in posizione di disattivazione (off), se il cavo dell'alimentazione è collegato. Per i sistemi senza un interruttore, tensioni di linea sono presenti all'interno dell'alimentatore quando il cavo di alimentazione è collegato.

Advarsel Berør ikke strømforsyningsenheden når strømledningen er tilkoblet. I systemer som har en strømbryter, er det spenning i strømforsyningsenheden selv om strømbryteren er slått av og strømledningen er tilkoblet. Når det gjelder systemer uten en strømbryter, er det spenning i strømforsyningsenheden når strømledningen er tilkoblet.

Aviso Não toque na unidade abastecedora de energia quando o cabo de alimentação estiver ligado. Em sistemas com interruptor, a corrente eléctrica estará presente na unidade abastecedora, sempre que o cabo de alimentação de energia estiver ligado, mesmo quando o interruptor se encontrar desligado. Para sistemas sem interruptor, a tensão eléctrica dentro da unidade abastecedora só estará presente quando o cabo de alimentação estiver ligado.

¡Advertencia! No tocar la fuente de alimentación mientras el cable esté enchufado. En sistemas con interruptor de alimentación, hay voltajes de línea dentro de la fuente, incluso cuando el interruptor esté en Apagado (OFF) y el cable de alimentación enchufado. En sistemas sin interruptor de alimentación, hay voltajes de línea en la fuente cuando el cable está enchufado.

Warning! Vidrör inte strömförsörjningsenheten när nätsladden är ansluten. För system med strömbrytare finns det nätspänning i strömförsörjningsenheten även när strömmen har slagits av men nätsladden är ansluten. För system utan strömbrytare finns det nätspänning i strömförsörjningsenheten när nätsladden är ansluten.

Lightning Activity Warning



Warning Do not work on the system or connect or disconnect cables during periods of lightning activity.

Waarschuwing Tijdens onweer dat gepaard gaat met bliksem, dient u niet aan het systeem te werken of kabels aan te sluiten of te ontkoppelen.

Varoitus Älä työskentele järjestelmän parissa äläkä yhdistä tai irrota kaapeleita ukkosilmalla.

Attention Ne pas travailler sur le système ni brancher ou débrancher les câbles pendant un orage.

Warnung Arbeiten Sie nicht am System und schließen Sie keine Kabel an bzw. trennen Sie keine ab, wenn es gewittert.

Avvertenza Non lavorare sul sistema o collegare oppure scollegare i cavi durante un temporale con fulmini.

Advarsel Utfør aldri arbeid på systemet, eller koble kabler til eller fra systemet når det tordner eller lynr.

Aviso Não trabalhe no sistema ou ligue e desligue cabos durante períodos de mau tempo (trovoada).

¡Advertencia! No operar el sistema ni conectar o desconectar cables durante el transcurso de descargas eléctricas en la atmósfera.

Warning! Vid åska skall du aldrig utföra arbete på systemet eller ansluta eller koppla loss kablar.

Power Disconnection Warning



Warning Before working on a system that has an on/off switch, turn OFF the power and unplug the power cord.

Waarschuwing Voordat u aan een systeem werkt dat een aan/uit schakelaar heeft, dient u de stroomvoorziening UIT te schakelen en de stekker van het netsnoer uit het stopcontact te halen.

Varoitus Ennen kuin teet mitään sellaiselle järjestelmälle, jossa on kaksiasentokytkin, katkaise siitä virta ja kytke virtajohto irti.

Attention Avant de travailler sur un système équipé d'un commutateur marche-arrêt, mettre l'appareil à l'arrêt (OFF) et débrancher le cordon d'alimentation.

Warnung Bevor Sie an einem System mit Ein/Aus-Schalter arbeiten, schalten Sie das System AUS und ziehen das Netzkabel aus der Steckdose.

Avvertenza Prima di lavorare su un sistema dotato di un interruttore on/off, spegnere (OFF) il sistema e staccare il cavo dell'alimentazione.

Advarsel Slå AV strømmen og trekk ut strømledningen før det utføres arbeid på et system som er utstyrt med en av/på-bryter.

Aviso Antes de começar a trabalhar num sistema que tem um interruptor on/off, DESLIGUE a corrente eléctrica e retire o cabo de alimentação da tomada.

¡Advertencia! Antes de utilizar cualquier sistema equipado con interruptor de Encendido/Apagado (ON/OFF), cortar la alimentación y desenchufar el cable de alimentación.

Warning! Slå AV strømmen och dra ur nätsladden innan du utför arbete på ett system med strömbrytare.

UL- and CSA-Certified Equipment Warning



Warning This card is intended to be installed in UL- and CSA-certified equipment in the field by the user in the manufacturer's defined operator access area. Check the equipment manufacturer to verify/confirm that your equipment is suitable for user-installed application cards.

Waarschuwing Deze kaart dient door de gebruiker zelf in in het veld toegepaste en van het UL- en het CSA-keurmerk voorziene apparatuur geïnstalleerd te worden op de voor de operator toegankelijke plaats zoals deze door de fabrikant is aangegeven. Controleer de naam van de fabrikant van de apparatuur om na te gaan of uw apparatuur geschikt is voor door de gebruiker te installeren toepassingskaarten.

Varoitus Tämä kortti on tarkoitettu käyttäjän asennettavaksi laitteistoon, jonka Underwriters Laboratory (UL) tai Kanadan standardisointiyhdistys (CSA) on hyväksynyt, valmistajan rajatulla käyttöalueella. Ota yhteyttä laitteiston valmistajaan varmistaaksesi, soveltuuko laitteisto käyttäjän asentamiin sovelluskortteihin.

Attention La carte doit être installée par l'utilisateur sur un appareil homologué UL et CSA, sur place dans la zone d'accès de l'opérateur déterminée par le fabricant. Consulter le fabricant de l'appareil pour vérifier/confirmer que l'appareil utilisé supporte les cartes d'applications installées par l'utilisateur.

Warnung Diese Karte ist zur benutzerseitigen Installation in UL-, CSA- bzw. VDE-zugelassenen Geräten am Standort des Benutzers vorgesehen, und zwar in einem vom Hersteller ausgewiesenen Bereich für Bedienerzugriff. Beim Gerätehersteller nachfragen, ob das jeweilige Gerät wirklich für benutzerseitig installierbare Anwendungskarten geeignet ist.

Avvertenza Questa scheda deve essere installata sul campo dall'utente in apparecchi muniti di omologazione CSA ed UL, nell'area di accesso all'operatore specificata dal fabbricante. Rivolgersi al fabbricante dell'apparecchiatura per verificare/confermare che l'apparecchiatura stessa sia adeguata a schede da applicazione installate dall'utente.

Advarsel Dette kortet skal installeres av brukeren i UL- og CSA-godkjent utstyr i brukerområdet som er definert av produsenten. Forhør deg med produsenten for å bekrefte om utstyret ditt kan brukes med brukerinstallerte programkort.

Aviso Esta placa destina-se a ser instalada no campo pelo utilizador em equipamento certificado UL e CSA, na área de acesso de operador definida pelo fabricante. Contacte o fabricante para verificar/confirmar se o seu equipamento é adequado para placas de aplicação instalados pelo utilizador.

¡Atención! Esta tarjeta se ha diseñado para que sea instalada por el usuario en equipos homologados por UL y CSA, ubicados en campo y específicamente situados en áreas de acceso para el operador determinadas por el fabricante. Consulte con el fabricante del equipo para comprobar o confirmar que este último puede aceptar tarjetas de aplicación cuya instalación es realizada por el usuario.

Warning! Detta kort skall installeras av användaren i UL- och CSA-godkänd utrustning i användningsområdet som är definierat av producenten. Förhör dig med producenten för att bekräfta om din utrustning kan användas med användarinstallerade programkort.

Chassis Warning—Disconnecting Telephone-Network Cables



Warning Before opening the chassis, disconnect the telephone-network cables to avoid contact with telephone-network voltages.

Waarschuwing Voordat u het frame opent, dient u de verbinding met het telefoonnetwerk te verbreken door de kabels te ontkoppelen om zo contact met telefoonnetwerk-spanningen te vermijden.

Varoitus Vältä joutumista kosketuksiin puhelinverkostojännitteiden kanssa irrottamalla puhelinverkoston kaapelit ennen asennuspohjan aukaisemista.

Attention Avant d'ouvrir le châssis, débrancher les câbles du réseau téléphonique afin d'éviter tout contact avec les tensions d'alimentation du réseau téléphonique.

Warnung Bevor Sie das Chassis öffnen, ziehen Sie die Telefonnetzkabel aus der Verbindung, um Kontakt mit Telefonnetzspannungen zu vermeiden.

Avvertenza Prima di aprire il telaio, scollegare i cavi della rete telefonica per evitare di entrare in contatto con la tensione di rete.

Advarsel Før kabinettet åpnes, skal kablene for telenettet kobles fra for å unngå å komme i kontakt med spenningen i telenettet.

Aviso Antes de abrir o chassis, desligue os cabos da rede telefónica para evitar contacto com a tensão da respectiva rede.

¡Advertencia! Antes de abrir el chasis, desconectar el cableado dirigido a la red telefónica para evitar contacto con voltajes de la propia red.

Warning! Koppla loss ledningarna till telefonnätet innan du öppnar chassit så att kontakten med telefonnätsspänningen bryts.

Installation Warning



Warning Read the installation instructions before you connect the system to its power source.

Waarschuwing Raadpleeg de installatie-aanwijzingen voordat u het systeem met de voeding verbindt.

Varoitus Lue asennusohjeet ennen järjestelmän yhdistämistä virtalähteeseen.

Attention Avant de brancher le système sur la source d'alimentation, consulter les directives d'installation.

Warnung Lesen Sie die Installationsanweisungen, bevor Sie das System an die Stromquelle anschließen.

Avvertenza Consultare le istruzioni di installazione prima di collegare il sistema all'alimentatore.

Advarsel Les installasjonsinstruksjonene før systemet kobles til strømkilden.

Aviso Leia as instruções de instalação antes de ligar o sistema à sua fonte de energia.

¡Advertencia! Ver las instrucciones de instalación antes de conectar el sistema a la red de alimentación.

Warning! Läs installationsanvisningarna innan du kopplar systemet till dess strömförsörjningsenhet.

ISDN Connection Warning



Warning The ISDN connection is regarded as a source of voltage that should be inaccessible to user contact. Do not attempt to tamper with or open any public telephone operator (PTO)-provided equipment or connection hardware. Any hardwired connection (other than by a nonremovable, connect-one-time-only plug) must be made only by PTO staff or suitably trained engineers.

Waarschuwing De verbinding met ISDN (Integrated Services Digital Network = Digitaal netwerk met geïntegreerde faciliteiten) wordt beschouwd als een spanningsbron die ontoegankelijk dient te zijn voor gebruikers. Gebruikers dienen geen poging te doen om door de openbare telefoondienst (PTT) verstrekte apparatuur of aansluitingshardware te openen of ermee te knoeien. Alle vastbedrade verbindingen (behalve die verbindingen die gemaakt zijn door een niet-verwijderbare, slechts eenmaal te verbinden stekker) dienen slechts door PTT-personeel of door daartoe opgeleide ingenieurs gemaakt te worden.

Varoitus ISDN-liitäntää pidetään jännitelähteenä, jonka kanssa käyttäjän ei tulisi päästä kosketuksiin. Käyttäjien ei tulisi yrittää peukaloita tai avata laitteita tai liittimiä, jotka kuuluvat yleiselle puhelinlaitokselle (PTO). Ainoastaan yleisen puhelinlaitoksen henkilökunnan tai ammattitaitoisten teknikoiden tulee tehdä kaapeliliitännät (lukuun ottamatta kiinteitä pistokkeita, jotka yhdistetään ainoastaan yhden kerran).

Attention La connexion du réseau numérique intégré (Integrated Services Digital Network ou ISDN) constitue une source de tension qui ne doit pas être accessible à l'utilisateur. Les utilisateurs ne doivent jamais tenter de modifier ni même d'ouvrir un matériel fourni par une compagnie de téléphone public, ou le matériel de connexion. Toute connexion câblée (autre que celles établies par une prise non démontable à connexion unique) ne doit être effectuée que par le personnel de la compagnie de téléphone ou par des techniciens proprement formés.

Warnung Die ISDN-Verbindung gilt als eine Spannungsquelle, die dem Anwender unzugänglich sein sollte. Anwender sollten nicht versuchen, sich an der von den Anbietern öffentlicher TK-Dienste gelieferten Ausstattung oder Verbindungs-Hardware zu schaffen zu machen oder sie zu öffnen. Alle festverdrahteten Verbindungen (mit Ausnahme der Verbindungen mit einem nicht abnehmbaren, nur einmal anzuschließenden Stecker) sind von Mitarbeitern des TK-Anbieters oder von entsprechend geschulten Technikern herzustellen.

Avvertenza Il collegamento ISDN (Integrated Services Digital Network -Rete digitale a servizi integrati) viene considerato come una fonte di tensione che dovrebbe essere inaccessibile al contatto dell'utente. Gli utenti non devono né manomettere né provare ad aprire le apparecchiature o i dispositivi di collegamento forniti dalla società telefonica. Qualsiasi collegamento cablato (ad eccezione di una spina non rimovibile, da installare una sola volta) deve essere eseguito esclusivamente da un dipendente della società telefonica o da tecnici specializzati.

Advarsel ISDN-koblingen betraktes som en spenningskilde som bør være utilgjengelig for brukeren. Brukere bør ikke klusse med eller åpne utstyr eller tilkoblingsmateriale som er utstyrt av Telenor. Eventuelle faste installasjoner (bortsett fra koblinger som er foretatt med et støpsel for engangsbruk og som ikke kan fjernes) må kun utføres av Telenor-montører.

Aviso A conexão RDIS (Rede Digital com Integração de Serviços) é interpretada como uma fonte de tensão que deverá ser inacessível ao utilizador. Os utilizadores não deverão tentar violar qualquer equipamento ou conexão de serviço telefónico público. Qualquer conexão de rede de fios (para além daquela estabelecida por uma ficha não-removível de ligação única), deverá apenas ser efectuada por pessoal dos serviços telefónicos ou engenheiros devidamente treinados.

¡Advertencia! La conexión al circuito RDSI (Red Digital de Servicios Integrados) se considera como una fuente de voltaje con la cual el usuario no debe entrar en contacto. Los usuarios deberán evitar manipular indebidamente, o abrir, los equipos o hardware de conexión proporcionados por cualquier compañía operadora de la red pública de telefonía. Las conexiones de cable rígido que sean necesarias (excepto las de clavija no desmontable de un solo uso) deberán ser realizadas exclusivamente por personal de la entidad operadora de la red pública de telefonía, o por personal técnico adecuadamente capacitado.

Warning! ISDN-anslutningen betraktas som en spänningskälla och bör inte vara åtkomlig för användaren (ISDN: Integrated Services Digital Network = digitalt flertjänstnät). Användare får inte manipulera eller söka öppna utrustning eller anslutningsdon som tillhandahållits av telefonbolag (PTO-produkter). Anslutning av ledningar (med undantag av en icke löstagbar propp för engångsanslutning) får endast utföras av PTO-anställda eller lämpligt utbildade tekniker.

Product Disposal Warning



Warning Ultimate disposal of this product should be handled according to all national laws and regulations.

Waarschuwing Dit produkt dient volgens alle landelijke wetten en voorschriften te worden afgedankt.

Varoitus Tämän tuotteen lopullisesta hävittämisestä tulee huolehtia kaikkia valtakunnallisia lakeja ja säännöksiä noudattaen.

Attention La mise au rebut définitive de ce produit doit être effectuée conformément à toutes les lois et réglementations en vigueur.

Warnung Dieses Produkt muß den geltenden Gesetzen und Vorschriften entsprechend entsorgt werden.

Avvertenza L'eliminazione finale di questo prodotto deve essere eseguita osservando le normative italiane vigenti in materia.

Advarsel Endelig disponering av dette produktet må skje i henhold til nasjonale lover og forskrifter.

Aviso A descartagem final deste produto deverá ser efectuada de acordo com os regulamentos e a legislação nacional.

¡Advertencia! El desecho final de este producto debe realizarse según todas las leyes y regulaciones nacionales.

Warning! Slutlig kassering av denna produkt bör skötas i enlighet med landets alla lagar och föreskrifter.

BRI Cable Warning



Warning Network hazardous voltages are present in the BRI cable. If you detach the BRI cable, detach the end away from the router first to avoid possible electric shock. Network hazardous voltages also are present on the system card in the area of the BRI port (RJ-45 connector), regardless of when power is turned off.

Waarschuwing Gevaarlijke netwerkspanning is aanwezig in de BRI-kabel. Als u de BRI-kabel losmaakt, maak dan eerst het einde dat bij de routeereenheid vandaan is, los om een mogelijke elektrische schok te voorkomen. Gevaarlijke netwerkspanning is ook aanwezig op de systeemkaart in de buurt van de BRI-poort (RJ-454 connector), zelfs als de stroom uit staat.

Varoitus BRI-kaapelissa on vaarallinen verkkojännite. Jos irrotat BRI-kaapelin, irrota ensiksi reittiohjaimesta kauempana oleva pää mahdollisen sähköiskun välttämiseksi. Vaarallisia verkkojännitteitä esiintyy myös järjestelmäkortissa BRI-portin (RJ-45 -liitin) alueella, vaikka virta olisi katkaistu.

Attention Le réseau comporte des tensions dangereuses au câble BRI. Pour déconnecter ce câble, débrancher d'abord l'extrémité éloignée du routeur pour éviter tout risque d'électrocution. Des tensions dangereuses existent également sur la carte système dans la zone du port BRI (connecteur RJ-45), même si le réseau est hors tension.

Warnung Das BRI-Kabel führt gefährliche Netzspannungen. Um einen elektrischen Schlag beim Entfernen des BRI-Kabels zu vermeiden, zuerst das vom Router am weitesten entfernt befindliche Kabelende entfernen. Der Bereich des BRI-Anschlusses (RJ-45-Anschluß) auf der Systemkarte steht ebenfalls unter gefährlicher Netzspannung, unabhängig davon, wann der Strom ausgeschaltet wird.

Avvertenza Nel cavo BRI sono presenti tensioni di rete pericolose. Se si deve scollegare il cavo BRI, scollegarne innanzitutto il terminale dal router per evitare scosse elettriche. Tensioni di rete pericolose sono anche presenti sulla scheda di sistema nell'area della porta BRI (connettore RJ-45), indipendentemente dal momento di scollegamento dell'alimentazione.

Advarsel Det er livsfarlig nettverksspenning i BRI-kabelen. Hvis du løsner BRI-kabelen, må du først løsne den enden som er lengst borte fra fordelingsenheten for å unngå elektrisk støt. Det er også livsfarlig spenning på systemkortet i området rundt BRI-utgangen (RJ-45-kontakten), uavhengig av når strømmen slås av.

Aviso Existem tensões de rede perigosas no cabo BRI (Interface de Ritmo Básico). Se desligar o cabo BRI, desligue primeiro a extremidade do distribuidor para evitar possíveis choques elétricos. Existem também tensões de rede perigosas na placa do sistema, nomeadamente, na área da porta BRI (conector RJ-45), independentemente do facto da corrente estar ou não ligada.

¡Advertencia! Hay tensiones de red peligrosas en el cable BRI. Si desconecta el cable BRI, desconecte primero el extremo que va al "router" para evitar la posible sacudida eléctrica. Estas peligrosas tensiones de red se encuentran presentes también en la tarjeta del sistema en el área del puerto BRI (conector RJ-45), sin importar cuándo se desconecte la alimentación.

Varning! BRI-kabeln är under farlig nätspänning. Om du kopplar ifrån BRI-kabeln, koppla först ifrån änden som är längst bort från routern för att undvika eventuell elektrisk stöt. Farlig nätspänning finns också på systemkortet intill BRI-porten (kontaktidon RJ-45) oavsett när strømmen slogs av.

Operating Conditions for Canada

All warnings and safety guidelines listed in “Safety Information” apply to Cisco 200 models used in Canada. In addition, the following warnings apply only to Cisco 200 products used in Canada:

- The Canadian Department of Communications label identifies certified equipment. This certification means that the equipment meets certain telecommunications network protective operational and safety requirements. The Department does not guarantee the equipment will operate to the user's satisfaction.
- Before installing the equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. In some cases, the company's inside wiring associated with a single line individual service may be extended by means of a certified connector assembly (telephone extension cord). The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.
- Repairs to certified equipment should be made by an authorized Canadian maintenance facility designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.
- Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.



Caution Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.

- The Load Number (LN) assigned to each terminal device denotes the percentage of the total load to be connected to a telephone loop which is used by the device, to prevent overloading. The termination on a loop may consist of any combination of devices subject only to the requirement that the sum of the Load Numbers of all the devices does not exceed 100.

Operating Conditions for the United Kingdom

In addition to the warnings and safety guidelines listed in “Safety Information,” the following warnings apply to Cisco 200 models used in the United Kingdom:

- The Cisco 200 ISDN Adapter is designed to meet the requirements of NET1 and NET2 for products with serial interfaces, and NET3 for products with a BRI interface.
- Interconnection directly, or by way of other apparatus, of ports marked “BRI” with ports marked or not so marked may produce hazardous conditions on the network, and that advice should be obtained from a competent engineer before such a connection is made.
- The BRI connector must be hardwired permanently to the S-reference connection point by using a connect one-time-only, nonremovable plug (RJ-45 with the latch tab removed).
- This apparatus must be connected to a main socket outlet with a protective earth contact.

Maintaining Safe Installation Distances

In order to maintain the independent approval of this card, it is essential that, when other option cards are installed that use or generate a hazardous voltage, the minimum creepage and clearance specified in Table 1, Creepage and Clearance Distances Based on Voltage, are maintained. A hazardous voltage is one that exceeds 42.4 volts peak AC or 60 volts DC. If you have any doubt, seek advice from a competent engineer before installing other adapter cards in the PC.

The equipment must be installed such that, with the exception of the connections to the PC, creepage and clearance distances shown in Table 1, Creepage and Clearance Distances Based on Voltage, are maintained between the card and any other assemblies that use or generate a voltage shown in Table 1, Creepage and Clearance Distances Based on Voltage. The larger distance shown in parentheses applies where the local environment within the PC is subject to conductive pollution or dry non-conductive pollution that could become conductive due to condensation. Failure to maintain these minimum distances would invalidate the approval.

Except at the edge connector that plugs into the PC expansion slot, creepage and clearance distances of X millimeters (mm) and Y mm as listed in Table 1 must be maintained between the cards and other parts of the PC including any other expansion cards fitted.

Note that in Table 1 the following definitions apply:

- Clearance distances are defined as the minimum distance measured in air between two points (i.e., line of sight).
- Creepage distances are defined as the minimum distance measured across the surface of an insulator between two points (i.e., following the contour of the insulator).

Table 1 Creepage and Clearance Distances Based on Voltage

Voltage Used or Generated by Other Parts of the PC or Expansion Card (Vrms¹ or VDC²)	Creepage (Y mm)³	Clearance (X mm)
Up to 50	2.4 (3.8)	2.0
Up to 125	3.0 (4.8)	2.6
Up to 250	5.0 (8.0)	4.0
Up to 300 ⁴	6.4 (10.0)	4.0

1. Vrms = root mean square voltage.

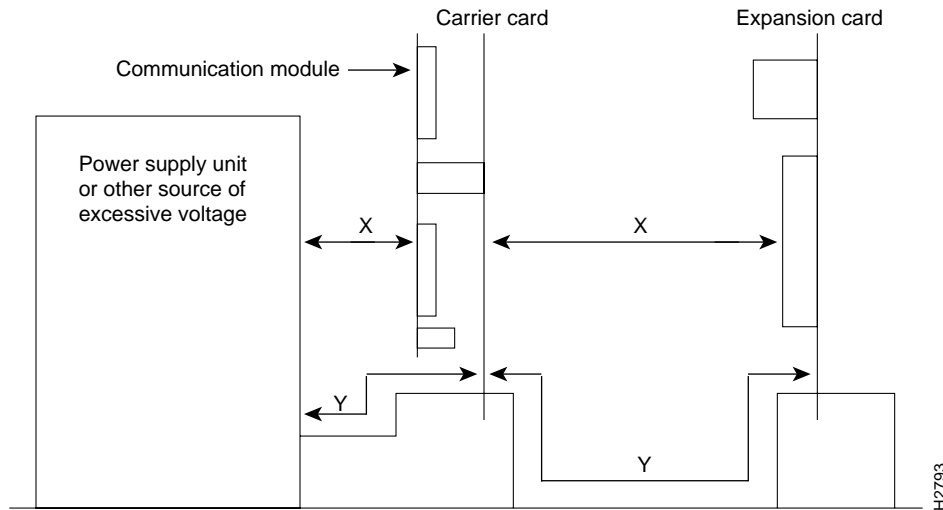
2. VDC = volts direct current.

3. The creepage distances not in parentheses apply when the equipment is installed in a normal office environment. The larger dimensions, given in parentheses, must be applied when the equipment is installed in an environment in which dust and other types of pollution could conduct electricity because of the effects of dampness and condensation. This applies to locations subject to high humidity.

4. For an expansion card fitted in the PC using or generating voltage greater than 300V (rms or dc), advice from a competent telecommunications safety engineer must be obtained before installation of the relevant equipment.

Creepage and clearance distances are measured between adjacent parts as shown in Figure 1.

Figure 1 Creepage and Clearance Distances between BRI Module and Components



Note that in Figure 1, X indicates the clearance distances between cards and between adjacent cards and components, and Y shows the creepage path across the surface of an insulator and between the two points indicated by X.

Agency Approvals

- Cisco 201/CiscoPro CPA201, Cisco 250-S, and Cisco 210-S (S/T interfaces, used primarily outside the United States)
 - EMI: FCC Part 15 Class B, EN55022 Class B, IEC 801-2, IEC 801-3 (RFI), IEC 801-4, IEC 801-5
 - Telecom Compatibility: Canadian CS03, CTR3
- Cisco 202/CiscoPro CPA202 (U interface, available only in North America)
 - EMI: FCC Part 15 Class B
 - Telecom Compatibility: Canadian CS03
- Cisco 210-U (U interface, available only in North America)
 - EMI: FCC Part 15 Class B
 - Telecom Compatibility: Canadian CS03, FCC Part 68

Directives Compliance

The CE-0167-X mark signifies that the equipment complies with the following European Directives: 91/263/EEC (public telecommunications network compatibility), 89/336/EEC (electromagnetic compatibility), 73/23/EEC (low voltage), and 92/59/EEC (general product safety).

Obtaining Service and Support

For service and support for a product purchased from a reseller, contact the reseller. Resellers offer a wide variety of Cisco service and support programs, which are described in the section “Service and Support” in the information packet that shipped with your chassis.

Note If you purchased your product from a reseller, you can access Cisco Connection Online (CCO) as a guest. CCO is Cisco Systems’ primary, real-time support channel. Your reseller offers programs that include direct access to CCO’s services.

For service and support for a product purchased directly from Cisco, use CCO.

Cisco Connection Online

CCO is Cisco Systems’ primary, real-time support channel. SMARTnet customers and partners can self-register on CCO to obtain additional content and services.

Note If you purchased your product from a reseller, you can access CCO as a guest. Your reseller offers programs that include direct access to CCO’s services.

Available 24 hours a day, 7 days a week, CCO provides a wealth of standard and value-added services to Cisco’s customers and business partners. CCO services include product information, software updates, release notes, technical tips, the Bug Navigator, configuration notes, brochures, descriptions of service offerings, and download access to public and authorized files.

CCO serves a wide variety of users through two interfaces that are updated and enhanced simultaneously—a character-based version and a multimedia version that resides on the World Wide Web (WWW). The character-based CCO supports Zmodem, Kermit, Xmodem, FTP, and Internet e-mail, and is excellent for quick access to information over lower bandwidths. The WWW version of CCO provides richly formatted documents with photographs, figures, graphics, and video, as well as hyperlinks to related information.

You can access CCO in the following ways:

- WWW: <http://www.cisco.com>.
- WWW: <http://www-europe.cisco.com>.
- WWW: <http://www-china.cisco.com>.
- Telnet: cco.cisco.com.
- Modem: From North America, 408 526-8070; from Europe, 33 1 64 46 40 82. Use the following terminal settings: VT100 emulation; databits: 8; parity: none; stop bits: 1; and baud rates up to 14.4 kbps.

For a copy of CCO’s Frequently Asked Questions (FAQ), contact cco-help@cisco.com. For additional information, contact cco-team@cisco.com.

Note If you need technical assistance with a Cisco product that is under warranty or covered by a Cisco maintenance contract, contact Cisco's Technical Assistance Center (TAC) at 800 553-2447, 408 526-7209, or tac@cisco.com.

Please use CCO to obtain general information about Cisco Systems, Cisco products, or upgrades. If CCO is not accessible, contact 800 553-6387, 408 526-7208, or cs-rep@cisco.com.

This document is to be used in conjunction with the installation documentation that shipped with your ISDN adapter.

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