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© 2013, Cisco and/or its subsidiaries. All rights are reserved. This document is Cisco Public Information. Page 1 of 24 Cisco Catalyst 2960-X Series Switches Cisco® Catalyst® 2960-X series of fixed-configuration switches, stackable Gigabit Ethernet switches that provide enterprise-class access to campus and affiliate applications (Figure 1). Designed to be easy to operate to reduce total cost of ownership, they allow scalable, secure and energy efficient smart services business operations and a range of Cisco IOS® Software advanced features. Figure 1. Cisco Catalyst 2960-X Series Switch Family Product Basic Cisco Catalyst 2960-X Switches feature: 24 or 48 gigabit Ethernet ports with linear course of redesign performance Gigabit Small Form Factor Pluggable (SFP) or 10G SFP uplinks FlexStack Plus for stacking up to 8 switches with bandwidth (optional) Power over Ethernet Plus (PoE) with support up to 740 W PoE Budget energy reduction USB and Ethernet interfaces for simplified operations Application Visibility and Capacity Planning with Integrated NetFlow-Lite LAN Base or LAN Lite Cisco IOS® software features Improved Limited Lifetime Guarantee (E-E-LL W) offering the next business day replacement equipment Cisco Catalyst 2960-XR models also offer: Power sustainability with additional dual fields of replaceable power sources IP Lite Cisco IOS® software with dynamic routing and layer 3 features Page 1. ROUTER-SWITCH.COM a leading network equipment provider CISCO SWITCH CATALYST 2960X DATASHEET 2. ROUTER-SWITCH.COM 1 CONTENT Review..... 2 Appearance..... 2 Key features and benefits..... 2 Specifications of the products..... 3 Basic information about the order..... 8 13 Contact us Tel: 1-820-239-8066 (U.S.) 852-3050-1066 / 852-8795 -4940 (Hong Kong) Fax: 852-3050-1066 (Hong Kong) Email: cisco@router-switch.com (sales requests) cse-support@router-switch.com (CCIE technical support) 3. ROUTER-SWITCH.COM 2 OVERVIEW Cisco® Catalyst® 2960-X Series of Fixed-configuration switches, stackable Gigabit Ethernet switches that provide enterprise-class access for campus and affiliate applications (Figure 1). Designed to be easy to operate to reduce total cost of ownership, they allow scalable, secure and energy efficient smart services business operations and a range of Cisco IOS® Software advanced features. APPEARANCE Figure 1. Cisco Switch Catalyst 2960X KEY FEATURES AND BENEFITS - 24 or 48 gigabit Ethernet ports with linear performance forwarding - Gigabit Small Form-Factor Pluggable (SFP) or 10G SFP uplinks - FlexStack Plus for stacking up to 8 bandwidth switches (optional) over ethernetnet Plus (PoE) support with up to 740W budget PoE - 24-port PoE without fan switch to deploy outside of the wiring cabinet - Reduced power consumption and advanced energy management features - USB and Ethernet control interfaces for simplified operations - Application Visibility and Capacity Planning with Integrated Complete (Flexiable) Net and NetFlow-Lite 4. ROUTER-SWITCH.COM 3 - LAN-base or LAN Lite Cisco IOS software features - Improved Limited Lifetime Guarantee (E-LLW), offering to classify equipment next day and monitor trusted internal network traffic through the domain name system as an authoritative source (DNS-AS) PRODUCT SPECIFICATIONS OF CISCO SWITCH CATALYST 2960X General Model Info: WS-2960X-48TS-L, Type Rack-mountable case - 1U Ports 48 / 10100001000 101000010001000 Interface 10/100 Mbps Ethernet (RJ-45) Available PoE Power None Forwarding Bandwidth (Gbps) 108Gbps Maximum Styling Number 8 Stack Bandwidth 80G Reworked Performance 107.1Mbps Switch bandwidth 216Gbps Maximum Active VLANs 1023 5. ROUTER-SWITCH.COM 4 MAC Address Table Size 16K (default) processor APM85392 600 MHz dual core RAM 512MB Flash Memory 128MB Status Status Indicators status per port status: Integrity links, disabled, activity, speed, and full duplex system status: System, RFS, Stack Link status, link duplex, and link speed extension/Link Console USB ports (Tip-B), Ethernet (RJ-45) Stacking Cable Extra Power Redundancy Option (PWR-RPS2300) Voltage Range (Auto) 110V-240 Operational Consumption, 051KVA Different width 17.5 inches (44.5 cm) Depth 11 inches (27.9 cm) Height 1.75 inches (4.5 cm) Package Weight 20.26 pounds (9.19 kg) Weight 9.4 lbs (4.2 kg) Mount kit Set-in 6. ROUTER-SWITCH.COM 5 MTBF в часах 476 560 соответствие стандартам IEEE 802.1D Spanning Tree Protocol (IEEE 802.1p CoS Приоритеты - IEEE 802.1x VLANЕ IEEE 802.1s IEEE 802.1w - IEEE 802.1X IEEE 802.1X IEEE 02.1ab (LLDP) - IEEE 802.3ad - IEEE 802.3at и IEEE 802.3at - IEEE 802.3ah (100BASE-X кр-м- Мультимодное волокно толще) - IEEE 802.3x полный дуплекс на 10BASE-T, 100BASE-TX, и 100BASE-T порты (100BASE-X кр-м- Мультимодное волокно толще) - IEEE 802.3x полный дуплекс на 10BASE-T, 100BASE-TX, и 100BASE-T порты Ethernet interfaces Uplink Interfaces Cisco IOS Software Feature Set Available PoE Power FlexStack-Plus Stacking WS-C2960X-24TS-L, 24 4 SFP LAN Base - Optional WS-C2960X-48TS-L, 48 2 SFP LAN Lite - No WS-C2960X-24TS-L, 24 2 SFP LAN Lite - No Cisco Catalyst 2960-XR Configurator Ordering Information Part Number 1010010010 Ethernet Interfaces Uplink Interface s Cisco IOS Software e Feature Set Available e PoE Power Secon d FRU Power Supply Optio n FlexStack-Plu s Stacking WS-C2960X-48FPD -I 48 2 SFP+ IP Lite 740W 1025 W Optional WS-C2960XR-48LPD -I 48 2 SFP+ IP Lite 370W 640W Optional WS-C2960XR-24PD -I 24 2 SFP+ IP Lite 370W 640W Optional WS-C2960XR-48TD -I 48 2 SFP+ IP Lite - 250W Optional WS-C2960XR-24TD -I 24 2 SFP+ IP Lite - 250W Optional WS-C2960XR-48PS -I 48 4 SFP IP Lite 370W 640W Optional WS-C2960XR-24PS -I 24 2 SFP - 10100100007 LAN База 110W Net WS-C2960X-48TS-L 48 4 SFP LAN База - Дополнительно 10. ROUTER-SWITCH.COM 5 Part Number 1010010010 Ethernet Interfaces Uplink Interfaces Cisco IOS Software Feature Set Available PoE Power FlexStack-Plus Stacking WS-C2960X-48FPD -I 48 2 SFP+ IP Lite 740W 1025 W Optional WS-C2960XR-48LPD -I 48 2 SFP+ IP Lite 370W 640W Optional WS-C2960XR-24PD -I 24 2 SFP+ IP Lite 370W 640W Optional WS-C2960XR-48TD -I 48 2 SFP+ IP Lite - 250W Optional WS-C2960XR-24TD -I 24 2 SFP+ IP Lite - 250W Optional WS-C2960XR-48PS -I 48 4 SFP IP Lite 370W 640W Optional 11. ROUTER-SWITCH.COM 10 WS-C2960XR-8TS-L 48 4 SFP IP Lite - 250W Дополнительный WS-C2960XR-24TS-L 24 4 SFP IP Lite - 250W Дополнительный Cisco Catalyst 2960-X Аксессуары Часть Номера Описание C2960X-ST-ACK Flex Та-к-тис горный замены укладку модуль CAB-STK-E-0.5M 0.5 m CAB-STK-E-1M FlexStack-Plus cable styling with 1.0 m CAB-STK-E-3M FlexStack-Plus cable styling with 3.0 length m CAB-STK-E-3M FlexStack-Plus cable stacking with 3.0 m CAB-STK-E-3M FlexStack-Plus cable styling with 3.0 m CAB-STK-E-3M FlexStack-Plus cable styling with 3.0 m CAB-STK-E-3M FlexStack-Plus cable styling with length lengths Console cable 6 ft with RJ45 CAB-CONSOLE-E-USB Console cable 6 ft with USB Type-A and Mini-B connectors PWR-CL-P Power cable deterrant clip ROCKMNT-IRU-2K2 Spare rack-mounting kit for Cisco Catalyst 2960-X and 2960-XR series for 2 19-inch racks ROCKMNT-REC-2KX 1 RU recessed rack-mounting kit for Cisco Catalyst 2960-X and 2960-XR series Cisco Catalyst 2960-X Excess Power Options Part Of the Room PWR-RPS2300 Cisco excess power system 2960 -X2300 and blowers, no power BLNK-RPS2300 Spare Bay insert for Cisco excess power system 2300 for Cisco Catalyst 2960 and Cisco Catalyst 2960-X switches CAB-RPS2300-E Spare RPS2300 cable for Cisco Catalyst 2960-X switches BLWR-RPS2300 Spare 45 CFM blowers for RPS 2300 CAB-PWR-750WAC RPS 2300 750W AC power spare for Cisco Catalyst 2960-X LE ROUTER-SWITCH.COM 11 Cisco Catalyst 2960-R Power Options Part Non Description PWR-C2-250WAC Second POWER FRU and fan for all non-PoE 2960-XR switches, provides 250W AC power PWR-C2-640WAC Spare Power Source FRU and Fan for All Switches 370W PoE 2960-XR, provides 640W AC power PWR-C2-1025WAC Spare Power Source FRU and Fan for all 740W PoE 2960-XR switches, provides 1025W ac power cords for Cisco Catalyst 2960-X Product Family Part Of Numbers Description CAB-165AW-AC Power cord, 16AWG CAB-ACE AC power cord (Europe), C13, CEE 7, 1.5m CAB-L620P-C13-US Power cord, 250VAC, 15A, NEMA L6-20 to C13, USA CAB-ACI Power Cord (Italy), C13, CEI 23-16, 2.5m CAB-ACU AC Power Cord (UK), C13, C13, BS 1363, 2.5m CAB-ACA AC Power Cord (China/Australia), C13, AS 3112, 2.5m CAB-ACS AC Power Cord (Switzerland), C13, IEC 60884-1, 2.5 m cable power CAB-ACR (Argentina), C13, EL 219 (IRAM 2073), 2.5 m 13. ROUTER-SWITCH.COM description of 12 numbers of the CAB-ACC CORD, PWR, CHINA, 10A, IEC 320, C13 (JPN-CS-PWR-CN) CAB-JPN-12A CABASY, POWER CORD, JAPAN 2P, PSE, 12A @125VAC CAB-L620P-C13-JPN Power cord, 250VAC, 15A, NEMA L6-20 to C13, JAPAN CAB-ND Power cable for India CAB-C15-ISK Power cable for Israeli CAB-ACSA Power cable for South African cable CAB-AC15A-90L-US 15A, left corner (United States) CAB-ACE-RA Power cord Europe, right corner OF CAB-ACH-RIGHT-RA Power cord Italian, corner OF CAB-ACU-POWER CORD UK, right corner CAB-ACC-RA Power cord China, right corner CAB-ACA-RA Power cord, Australian, right corner CAB-ACS-RA Power cord for Switzerland, straight corner Power cord, Argentina, direct corner CAB-JPN-RA Power cord, Japan, direct corner CAB-C15-CBN Cabinet power cord jumper, 250 VAC 15A, C14-C15 connector connectors AC шнур питания (Бразилия) 1.2X1.5V BR-3-20 штепсельная вилка для менее чем 12A устройства Power Cords для Cisco Catalyst 2960-XR Продукт Семья Часть Номера Описание CAB-TA-NA- AC шнур питания для Cisco Catalyst 2960XR (Северная Америка) 14. ROUTER-SWITCH.COM 13 Часть Номера Описание CAB-TA-AP AC шнур питания для Cisco Catalyst 2960XR (Австралия) CAB-TA-AR AC шнур питания для Cisco Catalyst 2960XR (Аргентина) CAB-TA-SW AC шнур питания для Cisco Catalyst 2960XR (Швейцария) CAB Шнур питания переменного тока для Cisco Catalyst 2960XR (Великобритания) CAB-TA-JP AC шнур питания для Cisco Catalyst 2960XR (Япония) CAB-TA-250V-JP Япония 250VAC шнур питания для Cisco Catalyst 2960XR (Япония) Шнур питания переменного тока CAB-TA-EU для Cisco Catalyst 2960XR (Европа) CAB-TA-IT-AC шнур питания для Cisco Catalyst 2960XR (Италия) CAB-TA-IN- AC шнур для Cisco Catalyst 2960XR (Индия) CAB-TA-CN Шнур питания переменного тока для Cisco Catalyst 2960XR (Китай) CAB-TA-DN AC шнур питания для Cisco Catalyst 2960XR (Данеи) CAB-TA-IS- AC шнур питания для Cisco Catalyst 2960XR (Израиль) CAB-C15-CBN Кабинет переключ шнур питания, 250 VAC 15A, C14-C15 IEC31-CBN-JP-Япония Кабинет Jumper Power Cord, 250 VAC 15A, C14-C15 IEC31-CBN-UK-Великобритания Кабинет шнур питания, c16-728232.html sheet_c16-728232.html

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