

Adsw3903



FEATURES

- 4x 10GbE SFP+ポート & 24x Gigabit ポート
- アドバンスド QoS 対応(SPQ,WRR, SPQ+WRR): ポート単位、キュー単位の階層的なシェーピング&スケジューリングと 帯域幅管理
- VLAN ミラーリング機能
- ネットワーク冗長化 LACP、STP、RSTP、MSTP、クイック・リングのフェイルオーバー保護
- 広範囲の動作温度: -40°C ~ +75°C
- IEC 61850-3 / IEEE 1613 適合
- 入力電源とポート構成の多彩なバリエーション

Adsw3903 は、ラックマウントタイプの L3 イーサネットスイッチです。

銅線ポートとファイバーポートオプションの柔軟な組み合わせにより、全体として高いスループットを提供し、ビデオ、音声、データが混在するようなタイミングに敏感なアプリケーションの応答時間を短縮します。

ユーザーのネットワークに優先順位を付け、パーティションを設定し、整理し、信頼性の高い良質なサービスを提供することが容易です。

24 個のギガビットイーサネットポートは、8 ポート単位で 10/100/1000BaseT(X)と 100/1000Base SFP を組み合わせることが可能です。また、それぞれの組み合わせに対し、シングル DC 又は AC、デュアル DC 又は AC、AC + DC 電源入力モデルをお選びいただけます。

仕様 (1/2)



Ethernet	Interface	100/1000BaseSFP slots or 10/100/1000BaseT(X) for 24 gigabit ports 10G SFP+ slots (1G SFP backward compatible)
	Operating mode	Store and forward, L3 wire-speed/non-blocking switching engine
	MAC addresses	16K
	Jumbo frames	9K Bytes
RJ45 Ports	Speed	10/100/1000 Mbps
	MDI/MDIX Auto-crossover	Support straight or cross wired cables
	Auto-negotiating	10/100/1000 Mbps speed auto-negotiation; Full and half duplex
SFP/SFP+ (pluggable) Ports	Port types supported	Gigabit fiber multimode, fiber single mode, fiber long-haul single mode 100/1000BaseF (SX/LX/LH)
	Fiber port connector	LC typically for fiber (depends on module)
	10G SFP+	1G/2.5G/10G SFP+ slots
Network Redundancy	Fast failover protection rings	Link loss recovery < 20ms Single & Multiple rings supported
	Spanning Tree Protocol	IEEE 802.1D STP, IEEE 802.1w RSTP, IEEE 802.1s MSTP BPDU forwarding and filtering
	IEEE 802.3ad Port Trunk	Static trunk or Dynamic via LACP (Link Aggregation Control Protocol)
Bridge, VLANs & Protocols	Flow control	IEEE 802.3x (Full Duplex) and Back-Pressure(Half Duplex)
	Max VLANs	2048 VLANs (VID range 1~4094)
	VLAN Types	Port-based VLANs, IEEE 802.1Q tag-based VLANs, IEEE 802.1v protocol-based VLANs, IEEE 802.1ad Double Tagging (Q in Q) Private VLAN
	VLAN operations	Attach/Remove/Replacement VLAN tag
	MVR (Multicast VLAN Registration)	Yes
	Multicast protocols	IGMP v1, v2 and v3 with up to 512 multicast groups IGMP snooping and querying Immediate leave and leave proxy
Traffic Management Engine & QoS	Policy-based access control engine	Policy/profile-based Access Control List (ACL)
		Multi-layer ACL support;
		Flexible combination of well-known fixed Layer 2/3/4 fields: - VLAN ID, Source/Destination MAC address, EtherType - Source/Destination IP address, IP protocol number - UDP or TCP, Source/Destination port number of TCP/UDP - DSCP or ToS value
		Actions per rule: Deny, Allow, Queue mapping, rate limit, mirror, CoS remark 20 profiles per switch: 20, Max 32 entries per profile.
	Number of queues per port	8
	Scheduling schemes	SPQ, WRR, SPQ + WRR
	Traffic Shaper	Hierarchical per port and per queue shaping & scheduling with bandwidth management
	Traffic Policer	Ingress rate limit in 1K bps granularity TrTCM (Two Rate Three Color Marker) policer engine
	Class of Server	802.1p CoS

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仕様 (2/2)



Security	Port security	IP and MAC-based Access control; Policy-based Access control IEEE 802.1X authentication Network Access Control RADIUS Client for IEEE 802.1X
	Storm Control	Multicast/Broadcast/Flooding Storm Control on per port and per VLAN basis
Management	User Management interfaces	Cisco-like CLI (command line interface); Telnet (5 sessions) WEB-based Management SNMP v1, v2c, v3 Stacking Management by Single IP (up to 8 switches)
	Management Security	HTTPs, SSHv2, Radius Client for Management, TACACS+ Client for Management
	Upgrade & Restore	FTP for Configuration Import/Export, FTP for Firmware Upgrade
	Diagnostic	Syslog Policy-based stream mirroring Ethernet Copper connection diagnostic tool
	SNTP	Yes
Layer3	L3 routing	Static routing, RIPv1/RIPv2, OSPF, VRRPv2 DVMRP, PIM-DM
Power	Power input options	DC input: DC Redundant Input Terminals & Reverse power protection Single/dual AC inputs DC & AC dual inputs
	Input voltage range	20-58 VDC or 100/240 VAC, 50Hz ~ 60Hz
Indicators	Power Status indication	Indication of power input status
	Ethernet port indication	Link & Speed
Environmental and Compliances	Operating temperature range	-40 ~ +75°C
	Storage temperature range	-40 ~ +85°C
	Humidity (non-condensing)	5 ~ 95% RH
	Vibration, shock & freefall	Vibration: IEC60068-2-6; Shock: IEC60068-2-27; Free Fall: IEC60068-2-32
	Certification compliance	EN 50121-4; IEC 61850-3; IEEE 1613
	EMI	Radiated Emission: CISPR 22, EN55022 Class A Conducted Emission: EN55022 Class A
	EMS	ESD: IEC61000-4-2 Radiated RF (RS): IEC61000-4-3 EFT: IEC61000-4-4 Surge: IEC61000-4-5 Conducted RF (CS): IEC61000-4-6
RoHS and WEEE	RoHS (Pb free) and WEEE compliant	
MTBF	> 25 years	
Mechanical	Ingress protection	IP30
	Dimensions	439.6 (W) x 44 (H) x 318.3 (D) mm (maximum)
	Weight	4.5 kg (maximum)
	Installation option	19" rack mounting

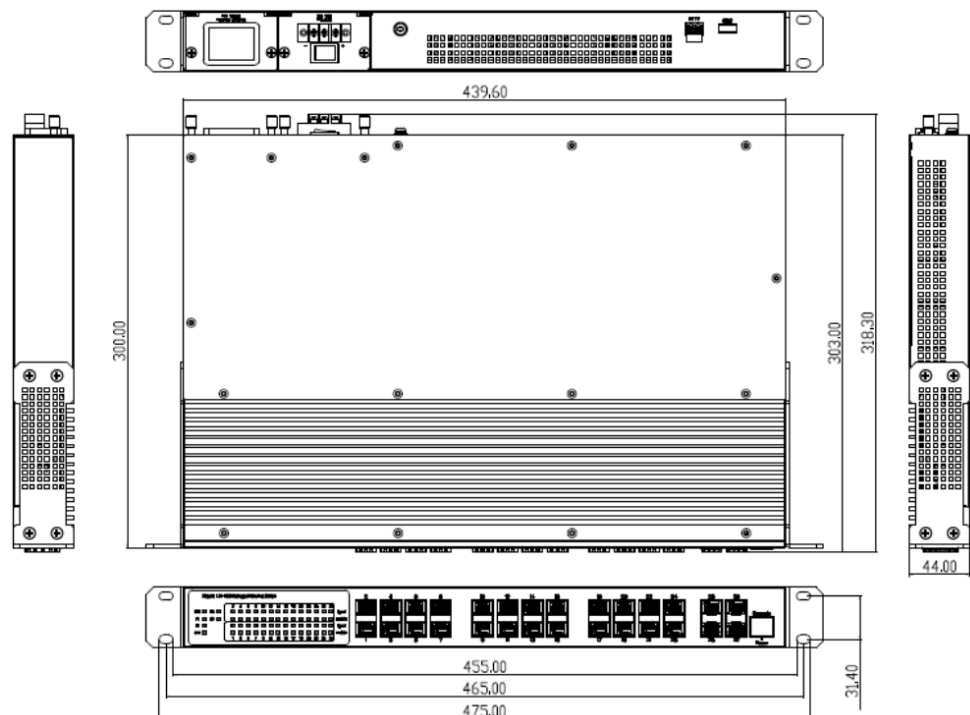
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ラインアップ



説明	総ポート数	Gigabit Ethernet		10G SFP+
		10/100/1000 BaseT(X)	100/1000 BaseSFP	
28 port L3 10G Managed Ethernet Switch, Single DC input	28	-	24	4
28 port L3 10G Managed Ethernet Switch, Single AC input	28	-	24	4
28 port L3 10G Managed Ethernet Switch, Dual DC inputs	28	-	24	4
28 port L3 10G Managed Ethernet Switch, Dual AC inputs	28	-	24	4
28 port L3 10G Managed Ethernet Switch, AC + DC inputs	28	-	24	4
28 port L3 10G Managed Ethernet Switch, Single DC input	28	8	16	4
28 port L3 10G Managed Ethernet Switch, Single AC input	28	8	16	4
28 port L3 10G Managed Ethernet Switch, Dual DC inputs	28	8	16	4
28 port L3 10G Managed Ethernet Switch, Dual AC inputs	28	8	16	4
28 port L3 10G Managed Ethernet Switch, AC + DC inputs	28	8	16	4
28 port L3 10G Managed Ethernet Switch, Single DC input	28	16	8	4
28 port L3 10G Managed Ethernet Switch, Single AC input	28	16	8	4
28 port L3 10G Managed Ethernet Switch, Dual DC inputs	28	16	8	4
28 port L3 10G Managed Ethernet Switch, Dual AC inputs	28	16	8	4
28 port L3 10G Managed Ethernet Switch, AC + DC inputs	28	16	8	4
28 port L3 10G Managed Ethernet Switch, Single DC input	28	24	-	4
28 port L3 10G Managed Ethernet Switch, Single AC input	28	24	-	4
28 port L3 10G Managed Ethernet Switch, Dual DC inputs	28	24	-	4
28 port L3 10G Managed Ethernet Switch, Dual AC inputs	28	24	-	4
28 port L3 10G Managed Ethernet Switch, AC + DC inputs	28	24	-	4

外形寸法図 (mm)



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