

Adsw2925



FEATURES

- 4x 10GbE SFP+ポート & 24x Gigabit ポート
- アドバンスド QoS 対応(SPO, 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

Adsw2925 は、ラックマウントタイプの L2 イーサネットスイッチです。

銅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, L2 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 |
| Traffic Management Engine & QoS | Multicast protocols | IGMP v1, v2 and v3 with up to 512 multicast groups IGMP snooping and querying Immediate leave and leave proxy |
| | 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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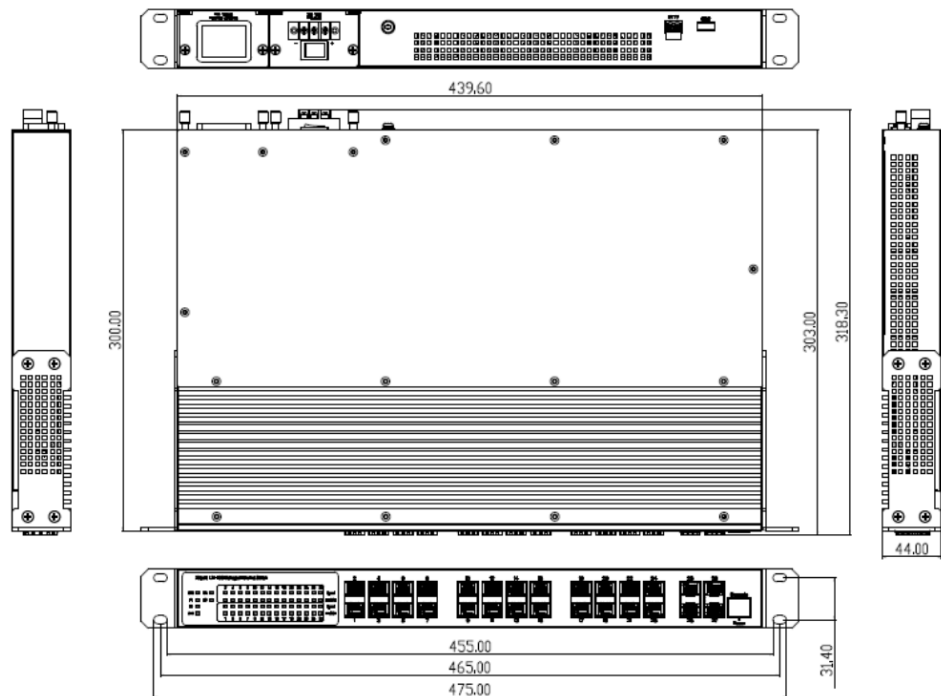
| | | |
|----------------------------------|-----------------------------|---|
| Security | Port security | IP and MAC-based Access control; Policy-based Access control IEEE 802.1X authentication Network Access Control RADIUS Client for IEEE 802.1X |
| | Storm Control | Multicast/Broadcast/Flooding Storm 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, SSH |
| | Upgrade & Restore | FTP for Configuration Import/Export, FTP for Firmware Upgrade |
| | Diagnostic | Syslog Policy-based stream mirroring Ethernet Copper connection diagnostic tool |
| Power | SNTP | Yes |
| | Power input options | DC input: DC Redundant Input Terminals & Reverse power protection Single/dual AC inputs DC & AC dual inputs |
| Indicators | Input voltage range | 20-58 VDC or 100/240 VAC, 50Hz ~ 60Hz |
| | Power Status indication | Indication of power input status |
| Environmental and Compliances | Ethernet port indication | Link & Speed |
| | 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 |

構成一覧表



| 説明 | 総ポート数 | Gigabit Ethernet | | 10G SFP+ |
|---|-------|----------------------|------------------|----------|
| | | 10/100/1000 BaseT(X) | 100/1000 BaseSFP | |
| 28 port L2 10G Managed Ethernet Switch, Single DC input | 28 | - | 24 | 4 |
| 28 port L2 10G Managed Ethernet Switch, Single AC input | 28 | - | 24 | 4 |
| 28 port L2 10G Managed Ethernet Switch, Dual DC inputs | 28 | - | 24 | 4 |
| 28 port L2 10G Managed Ethernet Switch, Dual AC inputs | 28 | - | 24 | 4 |
| 28 port L2 10G Managed Ethernet Switch, AC + DC inputs | 28 | - | 24 | 4 |
| 28 port L2 10G Managed Ethernet Switch, Single DC input | 28 | 8 | 16 | 4 |
| 28 port L2 10G Managed Ethernet Switch, Single AC input | 28 | 8 | 16 | 4 |
| 28 port L2 10G Managed Ethernet Switch, Dual DC inputs | 28 | 8 | 16 | 4 |
| 28 port L2 10G Managed Ethernet Switch, Dual AC inputs | 28 | 8 | 16 | 4 |
| 28 port L2 10G Managed Ethernet Switch, AC + DC inputs | 28 | 8 | 16 | 4 |
| 28 port L2 10G Managed Ethernet Switch, Single DC input | 28 | 16 | 8 | 4 |
| 28 port L2 10G Managed Ethernet Switch, Single AC input | 28 | 16 | 8 | 4 |
| 28 port L2 10G Managed Ethernet Switch, Dual DC inputs | 28 | 16 | 8 | 4 |
| 28 port L2 10G Managed Ethernet Switch, Dual AC inputs | 28 | 16 | 8 | 4 |
| 28 port L2 10G Managed Ethernet Switch, AC + DC inputs | 28 | 16 | 8 | 4 |
| 28 port L2 10G Managed Ethernet Switch, Single DC input | 28 | 24 | - | 4 |
| 28 port L2 10G Managed Ethernet Switch, Single AC input | 28 | 24 | - | 4 |
| 28 port L2 10G Managed Ethernet Switch, Dual DC inputs | 28 | 24 | - | 4 |
| 28 port L2 10G Managed Ethernet Switch, Dual AC inputs | 28 | 24 | - | 4 |
| 28 port L2 10G Managed Ethernet Switch, AC + DC inputs | 28 | 24 | - | 4 |

外形寸法図 (mm)



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