

Adsw2911F



FEATURES

- IEEE 802.3af PoE, at PoE準拠
- 100BASE-FX, 1000BASE-T対応
- 最大240Wの電源供給が可能
- 9kBのジャンボフレーム
- 最大8KのMACテーブル
- ワイドレンジな動作温度: -40 to +75°C

Adsw2911Fは、10/100/1000BaseT PoE PSEポート8つと、100/1000BaseSFPポート4つを備えたマネージドギガビットイーサネットスイッチです。

IEEE 802.3atに準拠しており、データに加え、ポートあたり最大30ワットの電力を、標準イーサネットケーブルで送ることができます。

このスイッチは、PoE電力管理機能を備えたIEEE 802.3af/at準拠のPoE PDデバイスに使用でき、電源供給のための追加配線を必要とせず、PoE電力バジェットをプランニングするための設置作業を軽減します。

Specifications



主な仕様

Ethernet	Operating mode MAC addresses Jumbo frames	Store and forward, L2 wire-speed/non-blocking switching engine 8K 9K Bytes
Copper RJ45 Ports	Speed MDI/MDIX Auto-crossover Auto-negotiating Ethernet isolation	10/100/1000 Mbps Support straight or cross wired cables 10/100/1000 Mbps speed auto-negotiation; Full and half duplex 1500 VRMS 1 minute
SFP (pluggable) Ports	Port types supported Fiber port connector Optimal fiber cable	SFP (pluggable) Ports 100/1000BaseSFP slot Support 100FX SFP transceiver Support 100/1000BaseT SFP transceiver LC typically for fiber (depends on module) Typical 50 or 62.5/125 μ m for multimode (mm); Typical 8 or 9/125 μ m for single mode (sm)
Network Redundancy	Fast failover protection rings Spanning Tree Protocol Port Trunk with LACP	Link loss recovery < 20ms Support Single & Multiple rings; Ring coupling; Dual-homing; Chain IEEE 802.1D STP, IEEE 802.1w RSTP, IEEE 802.1s MSTP Static trunk or Dynamic via LACP (Link Aggregation Control Protocol)
Bridge, VLANs & Protocols	Flow control Max VLANs VLAN Types Multicast protocols LLDP	IEEE 802.3x (Full Duplex) and Back-Pressure(Half Duplex) 1024 Port-based VLANs; MAC-based VLANs; IP Subnet-based VLANs Protocol-based VLANs IEEE 802.1Q tag-based VLANs RADIUS-assigned VLAN IEEE 802.1ad Double Tagging (Q in Q) IGMP v1, v2 with up to 255 multicast groups IGMP snooping and querying Immediate leave and leave proxy Throttling and filtering IEEE 802.1ab Link layer Discovery Protocol (LLDP)
Traffic management & QoS	Priority Number of queues per port Scheduling schemes Traffic Shaper RADIUS QoS	IEEE 802.1p QoS 8 SPQ, WRR port-based shaping RADIUS-assigned QoS Class
Security	Port security Storm Control	IP and MAC-based access control IEEE 802.1X authentication Network Access Control authentication via local database, RADIUS or TACACS+ AAA (Authentication, Accounting and Authorization) Multicast/Broadcast/Flooding Storm Control
Management	User Management interfaces Management Security Upgrade & Restore Diagnostic MIBs DHCP NTP/SNTP System status PoE management	Cisco-like CLI (command line interface) WEB-based Management SNMP v1, v2c & v3 Telnet (5 sessions) HTTps, SSH Radius Client for Management FTP for Configuration Import/Export, FTP for Firmware Upgrade Syslog Per VLAN mirroring Ethernet Copper connection diagnostic tool SFP with DDM (Digital Diagnostic Monitoring) RFC 1757 RMON 1,2,3,9; RFC 2674 Q-Bridge MIB RFC-1213 MIB-II; RFC-1493 Bridge MIB; RFC 2233 IF MIB Client, Server, Relay, Snooping, Option B2 Yes Device info/status; Ethernet port status; PoE status Scheduling; power control; PoE PD power consumption
Power	Power input Input voltage range Total PoE output power budget PoE PSE port output power management Reverse power protection Transient protection Power consumption	Redundant Input Terminals 46-58 VDC 120W(PL508, PL508-2F) /240W (PL512-4F) Scheduling; power control; PoE PD power consumption monitoring Yes > 15,000 watts peak Max. 14W without PD connected Max 265W with 240W PSE power delivered
Indicators	Power Status indication Ethernet port indication PoE status System Alarm	Indication of power input status Link & Speed Indication of PoE Power applying Profile-defined System Alarm
Alarm	Alarm relay output Alarm notification	relay output with current carrying capacity of 0.5A @ 24 VDC Configurable alarm profile to enable Alarm LED, Alarm relay & SNMP traps
Environmental & Compliances	Operating temperature range Storage temperature range Humidity (non-condensing) Vibration, shock & freefall Certification compliance Electrical safety EMC RoHS and WEEE MTBF	-40 to +75°C (cold startup at -40°C) -40 to +85°C 5 to 95% RH IEC68-2-6, -27, -32 CE/FCC, UL508*(pending) CSA C22, EN61010-1, CE FCC Part 15, CISPR 22 (EN55022) Class A IEC61000-4-2, -3, -4, -5, -6 RoHS (Pb free) and WEEE compliant > 25 years
Mechanical	Ingress protection Installation option Dimension Weight	IP30 DIN-Rail mounting, Wall mounting 77mm(W) x 154mm(H) x 128mm(D) 1410g

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※仕様は予告なく変更されることがあります。