

Adsw2915F



FEATURES

- PROFINET standard v2.32
- PNIO System Redundancy
- MRP: Media Redundancy Protocol
- IEEE 802.3x準拠
- 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 ~ +75°C

Adsw2915Fは、PROFINET I/O機能を備えているほか、既存のネットワークインフラストラクチャをアップグレードするギガビットイーサネットポートを備えています。

MRP(Media Redundancy Protocol)がもたらす様々なトポロジは、多様化するPROFINETアプリケーションに柔軟に対応可能です。さらに、PROFINETネットワークを拡張しつつ、コントローラやスイッチを削減することにより、メンテナンス効率の高いトポロジを実現可能です。

また、強力な機能を備えたAdsw2915Fのマネージドスイッチは、ネットワークの優先順位付け、パーティション化、監視・制御といった信頼性・保守性に優れた高品質なサービスを提供します。

Specifications

仕様

Ethernet	Operating mode	Store and forward, L2 wire-speed/non-blocking switching engine
	MAC addresses	8K-entry
Copper RJ45 Ports	Jumbo frames	9K Bytes
	Speed	10/100/1000 Mbps
	MDI/MDIX Auto-crossover	Support straight or cross wired cables
SFP (pluggable) Ports	Auto-negotiating	10/100/1000 Mbps speed auto-negotiation; Full and half duplex
	Ethernet isolation	1500 VRMS 1 minute
	Port types supported	SFP (pluggable) Ports 100/1000BaseSFP slot
Network Redundancy	Fiber port connector	Support 100/1000BaseT SFP transceiver
	Fast failover protection rings	LC typically for fiber (depends on module)
	Spanning Tree Protocol	Link loss recovery < 20ms
Bridge, VLANs & Protocols	Port Trunk with LACP	Single & Multiple rings; dual-homing; ring-coupling
	Flow control	IEEE 802.1D STP, IEEE 802.1w RSTP, IEEE 802.1s MSTP
	Max VLANs	Static trunk or Dynamic via LACP (Link Aggregation Control Protocol)
Traffic management & QoS	VLAN Types	IEEE 802.3x (Full Duplex) and Back-Pressure(Half Duplex)
	Multicast protocols	IEEE 802.1ad Double Tagging (O in O)
	LLDP	IGMP v1/v2/v3
Security	Priority	IGMP snooping and querying
	Number of queues per port	Immediate leave and leave proxy
	Scheduling schemes	Throttling and filtering
Management	Traffic Shaper	IEEE 802.1ab Link layer Discovery Protocol (LLDP)
	Port security	IEEE 802.1p QoS
	Storm Control	IEEE 802.1x authentication Network Access Control
Indicators	User Management interfaces	Multicast/Broadcast/Flooding Storm Control
	PROFINET	Cisco-like CLI (command line interface)
	Management Security	WEB-based Management
Environmental & Compli-	Upgrade & Restore	SNMP v1, v2c and v3
	Diagnostic	Telnet
	MIBs	PROFINET GSD file, PROFINET I/O parameters, I/O cyclic data
Power	DHCP	HTTP, HTTPS, SSH
	SNTP	Configuration Import/Export, Firmware Upgrade
	System status	Syslog
Mechanical	Power input	Ethernet Copper connection diagnostic tool
	Input voltage range	RFC 1757 RMON 1,2,3,9; RFC 2674 Q-Bridge MIB
	Reverse power protection	RFC-1213 MIB-II; RFC-1493 Bridge MIB; RFC 2233 IF MIB
Indicators	Transient protection	Client, Server, Relay, Snooping
	Power consumption	Yes
	Power Status indication	Device info/status; Ethernet port status
Environmental & Compli-	Ethernet port indication	Redundant Input Terminals
	Operating temperature range	12-58 VDC
	Storage temperature range	Yes
Mechanical	Humidity (non-condensing)	>15,000 watts peak
	Vibration, shock & freefall	14W
	Certification compliance	Indication of power input status
Environmental & Compli-	Electrical safety	Link & Speed
	EMC	—40 to +75°C (cold startup at —40°C)
	RoHS and WEEE	—40 to +85 °C
Mechanical	RoHS and WEEE	5 to 95% RH
	MTBF	IEC60068-2-6, -27, -32
	Installation option	CE/FCC; EN 50121-4
Environmental & Compli-	RoHS and WEEE	UL508 pre-test
	MTBF	FCC Part 15, CISPR 22 (EN55022) Class A
	Installation option	IEC61000-4-2, -3, -4, -5, -6 (Level 3)
Mechanical	Ingress protection	RoHS (Pb free) and WEEE compliant
	Installation option	463,158 hours
	Installation option	IP30
Environmental & Compli-	Ingress protection	DIN-Rail mounting, Wall mounting
	Installation option	DIN-Rail mounting, Wall mounting
	Installation option	DIN-Rail mounting, Wall mounting

製品バリエーション

Available Models	Description	Gigabit Ethernet Port	
		10/100/1000 BaseT(X)	100/1000 BaseSFP
Adsw2915F	Industrial 12-port PROFINET I/O Profile Managed Gigabit Ethernet Switch	8	4
Adsw2915F-C	Industrial 12-port PROFINET I/O Profile Managed Gigabit Ethernet Switch, with MRC	8	4
Adsw2915F-M	Industrial 12-port PROFINET I/O Profile Managed Gigabit Ethernet Switch, with MRM & System Redundancy	8	4

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※仕様は予告なく変更されることがあります。



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