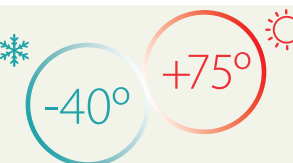


SWITCHES INDUSTRIALES



Switches, Routers y Puntos Acceso Industriales

Robustos y con avanzadas funciones de redundancia



Las Soluciones Industriales de Switches, Puntos de Acceso y Routers M2M están diseñados para soportar un amplio rango de temperaturas, vibraciones y golpes. Tienen unas especificaciones de funcionamiento en entornos adversos muy superiores a los modelos estándar. Además, los switches tienen funcionalidades de gestión de red para asegurar la máxima redundancia con diversas arquitecturas en anillo, así como Rapid-Recovery Ring (R3) y ERPS, ya que estos switches son vitales en el control de robots o automatizaciones en factorías, así como en la creciente demanda de aplicaciones para Industria 4.0 y Smart Cities.

Con todas las certificaciones del sector

1 Instalación versátil

Se pueden desplegar en paredes o Carril DIN y dentro de cajas de registro, armarios para exteriores, etc. Aguantan temperaturas superiores a los 75°.

2 Alta disponibilidad y seguridad

Amplias funciones de redundancia de red con arquitecturas en anillo, Ringv2, R3 y ERPS.

Certificación IEC 62443-4-1 Product Security Development Life-Cycle Requiriments, un requisito de seguridad presente en la mayoría de proyectos

3 Opciones flexibles

Sin gestión o con gestión Smart o Managed, amplia variedad en densidad de puertos 10/100 o Gigabit, opciones PoE y uplinks SFP y SFP+.



DIS-100E/100G Series Industrial Fast Ethernet / Gigabit Unmanaged Switches for edge deployment	DIS-200G Series Industrial Gigabit Smart Managed Switches for aggregation deployment	DIS-300G / DIS-700G Industrial Gigabit Managed Switches for aggregation/core deployment	DIS-2650AP AC1200 Dual Band Wave 2 Industrial Access Point
Plug and play; compact size	Cost-effective; compact size	High performance; compact size	Industrial AP High Performance
-40 to 75° operating temperature	-40 to 65° operating temperature	-40 to 75° operating temperature	-20 to 65°C operating temperature
DIN-Rail mounting	DIN-Rail mounting	DIN-Rail/Rack (DIS-700G)	Desktop/DIN-Rail
5-port	12-port	8/12/14-port, 24-port SFP + 4-port SFP+ (DIS-700G)	1p LAN Gigabit, 1p RJ45 Console
Redundant power inputs	Optional PoE 802.3af/at support	Optional PoE 802.3af/at support	Dual DC IN/802.3at PoE
Optional PoE 802.3af/at support (DIS-100G-5PSW)	VLAN support for added security	VLAN support for added security	Supports Unified Wireless with Nuclias Connect

SWITCHES INDUSTRIALES

Switches Industriales 10/100 y Gigabit



	MODEL	DIS-100E-5W/8W	DIS-100G-5W	DIS-100G-5SW	DIS-100G-5PSW	DIS-100G-6S/10S	DIS-200G-12S	DIS-200G-12PS	DIS-300G-12SW	DIS-300G-8PSW	DIS-300G-14PSW	DIS-700G-28XS	
HARDWARE	Number of Fast Ethernet ports	5 / 8											
	Number of Gigabit ports		5		4	4 / 8	10	10	8	6	10		
	Number of SFP ports			1	1	2	2	2	4	2	4	24	
	Number of 10G SFP+ ports											4	
	PoE standards				802.3af, 802.3at		802.3af, 802.3at		802.3af, 802.3at	802.3af, 802.3at	802.3af, 802.3at		
	PoE power budget				120 W		240 W		120 W	240 W			
	PoE capable ports				Ports 1-4, up to 30 W		Ports 1-8, up to 30 W		Ports 1-4, up to 30 W	Ports 1-2, up to 60 W Ports 3-8, up to 30 W	Ports 1-2, up to 60 W Ports 3-8, up to 30 W		
	Input voltage range	12-58 VDC	12-58 VDC	12-58 VDC	12-58 VDC, 54-58V for PoE+, 48-58V for PoE	12-48 VDC	12-48 VDC	48-58 VDC	12-58 VDC	48-58 VDC (54~58V VDC for PoE+)	48-58 VDC (54~58V VDC for PoE+)	Dual 20-58 VDC	
	Compatible power supplies	DIS-H30-24, DIS-H60-24, DIS-N240-48, DIS-N480-48	DIS-H30-24, DIS-H60-24, DIS-N240-48, DIS-N480-48	DIS-H30-24, DIS-H60-24, DIS-N240-48, DIS-N480-48	DIS-N240-48, DIS-N480-48	DIS-H30-24, DIS-H60-24, DIS-N240-48, DIS-N480-48	DIS-H30-24, DIS-H60-24, DIS-N240-48, DIS-N480-48	DIS-H30-24, DIS-H60-24, DIS-N240-48, DIS-N480-48	DIS-H30-24, DIS-H60-24, DIS-N240-48, DIS-N480-48	DIS-N240-48, DIS-N480-48	DIS-N240-48, DIS-N480-48	DIS-H60-24	
	Redundant power input option	
	Mounting option	Din-rail and wall	Din-rail and wall	Din-rail and wall	Din-rail and wall	Din-rail and wall	Din-rail and wall	Din-rail and wall	Din-rail and wall	Din-rail and wall	Din-rail and wall	19" rack mount	
	Operating temperature range	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C	-20° to 65°C	-40° to 65°C	-40° to 65°C	-40 to +75°C	-40 to +75°C	-40 to +75°C	-40 to +75°C	
	Vibration, shock and freefall certification	Vibration: IEC60068-2-6; Shock: IEC60068-2-27; Free Fall: IEC60068-2-32											
	NEMA-TS2, EN50121-4 (compliant)	
	EMC certification	FCC Part 15, ESD: IEC61000-4-2, Radiated RF (RS): IEC61000-4-3, EFT: IEC61000-4-4, Surge: IEC61000-4-5, Conducted RF (CS): IEC61000-4-6											
Ingress protection	IP30	IP30	IP30	IP30	IP40	IP30	IP30	IP30	IP30	IP30	IP30		
MAC address	1K	2K	2K	2K	4K	8K	8K	8K	8K	8K	8K		
L2	802.1D STP, 802.1w RSTP, 802.1s MSTP	.	.	.	.	.	.	.	.	.	.
	Fast Failover Protection Rings	.	.	.	.	• (ERPS, 50-200ms)	• (ERPS, 50-200ms)	• (<20ms)	• (<20ms)	• (<20ms)	• (<20ms)
VLAN	802.3ad, 802.1AX link aggregation	.	.	.	.	.	.	.	.	.	.
	VLAN group (max static)					128	128	256	1024	1024	2048		
	Port/MAC/protocol-based VLAN, GVRP					Port-based, GVRP	Port-based, GVRP	.	.	.	.
	Port-based double VLAN					.	.	.	.	.	.
QoS	Auto-Surveillance, Voice VLAN					.	.	.	.	.	.
	Multicast protocols					IGMP v1/v2, IGMP snooping	IGMP v1/v2, IGMP snooping	IGMP v1/v2, IGMP snooping	IGMP v1/v2, IGMP snooping	IGMP v1/v2, IGMP snooping	IGMP v1/v2/v3, IGMP snooping		
	802.1p	.	.	.	.	.	.	.	.	.	.
SECURITY	Policy-based access control engine										Multi-layer ACL		
	Number of queues per port		4	4	4	8	4	4	8	8	8		
	Traffic shaper					Port-based	Port-based	Port-based	Port-based	Port-based	Port-based		
AAA	Traffic policer										Port/queue-based shaping & scheduling		
	Multicast/Broadcast/Flooding Storm Control					.	.	.	.	.	.
	Access control					Web-based	Web-based	IP/MAC/policy-based	IP/MAC/policy-based	IP/MAC/policy-based	IP/MAC/policy-based		
MANAGEMENT	802.1X access control					.	.	.	.	.	.
	RADIUS/TACACS+ authentication					RADIUS only	RADIUS only	.	.	.	RADIUS only		
	SNMP (v1/v2c/v3), RMON v1					SNMP only	SNMP only	.	.	.	.
	Web-based management					.	.	.	.	.	.
	Command line interface (CLI)					.	.	.	.	.	.
Media Converter	HTTPs, SSH					.	.	.	.	.	.
	Syslog					.	.	.	.	.	.
	Command Line Interface (CLI)					Full	Full	Full	Full	Full	Full		
	Console port					RJ45	RJ45	RJ45	RJ45	RJ45	RJ45		



MODEL	DWM-312/312W 4G LTE M2M Router
Mobile networks	LTE Cat.4/UMTS/HSPA/GSM/GPRS/EDGE
Maximum speed	150 Mbps down / 50 Mbps up (LTE)
Device interface	<ul style="list-style-type: none"> 1 x 10/100 Fast Ethernet WAN/LAN port (DWM-312W only) 1 x 10/100 Fast Ethernet LAN port 1 x 5.5 mm DC input 2/3 x SMA (antenna connectors) Dual Micro-SIM slots DI/DO/Grounding ports (DWM-312W only)
Wi-Fi	802.11n/g/b (2.4GHz) (DWM-312W only)
Advanced features	<ul style="list-style-type: none"> QoS engine (Quality of Service) L2TP/PPTP/IPSec VPN Client/Server modes SNMP agent Firmware over the air (FOTA) upgrades Web-based UI Integrated VPN client and server
Power input	DC 5V / 2A ~ 18V / 0.7A (DWM-312) DC 9V / 2A ~ 36V / 0.7A (DWM-312W)
Operating temp.	-20 to 60 °C

MODEL	ACCESSORIES
DIS-H30-24	30W 24VDC Ultra Slim DIN Rail PSU • Input: 85 ~ 264VAC • Output: 21.6 ~ 29V DC • Din rail TS-35/7.5 or 15 mountable • -30~70°C operating temperature
DIS-H60-24	60W 24VDC Ultra Slim DIN Rail PSU • Input: 85 ~ 264VAC • Output: 21.6 ~ 29V DC • Din rail TS-35/7.5 or 15 mountable • -30~70°C operating temperature
DIS-N240-48	240W 48VDC DIN Rail PSU • Input: 90 ~ 264VAC • Output: 48 ~ 55V DC • Din rail TS-35/7.5 or 15 mountable • -20~70°C operating temperature
DIS-N480-48	480W 48VDC DIN Rail PSU • Input: 90 ~ 264VAC • Output: 48 ~ 55V DC • Din rail TS-35/7.5 or 15 mountable • -20~70°C operating temperature
DIS-S3015X	1-port Mini-GBIC SFP to 1000BaseSX Multi-Mode Fibre Transceiver • up to 550 m • -40~85°C operating temperature
DIS-S3025X	1-port Mini-GBIC SFP to 1000BaseSX Multi-Mode Fibre Transceiver • up to 2 km • -40~85°C operating temperature
DIS-S310LX	1-port Mini-GBIC SFP to 1000BaseLX Single-Mode Fibre Transceiver • up to 10 km • -40~85°C operating temperature
DIS-M100G-SW	Industrial 10/100/1000Base-T to SFP Media Converter • IP30-rated housing • -40~70°C operating temperature