



Industrial Ethernet Switches

PRODUCT SELECTION GUIDE 2025

Unmanaged Industrial Ethernet Switch -100 Mbps

Model		ZDS-1050	ZDS-1041F	ZDS-1080	ZDS-1062F
Products view	Product image				
	Port type	500 Mbps electricity	400 Mbps electrical + 100 Mbps optical	800 Mbps Ethernet port	2 optical 600 Mbps Electrical port
Interface	Number of Ports	5	5	8	8
	10/100 Base-TX RJ45	5	4	8	6
	10/100/1000 Base-TX RJ45				
	100 base-FX optical port		1		2
	1000 base-X optical port SFP				
	100/1000 base-X optical port SFP				
	Optical/Electrical combo port				
Power Input	Dual Redundant Power Supply		✓	✓	✓
	12-48VDC	✓	✓	✓	✓
	220VAC				
Mount	DIN-rail	✓	✓	✓	✓
	Rack mount installation				
Other	Protective class	IP40	IP40	IP40	IP40
	Dimension, mm	28mmx103mmx78mm	118mmx85.8mmx33.5mm	143.7mmx104mmx47.7mm	143.7mmx104mmx47.7mm
Environmental Constraints	Operating temperature	-40 to 75°C	-40 to 80°C (-40 to 180°F)	-40 to 80°C (-40 to 180°F)	-40 to 80°C (-40 to 180°F)
	Storage temperature	-40 to 85°C	-40 to 80°C (-40 to 180°F)	-40 to 80°C (-40 to 180°F)	-40 to 80°C (-40 to 180°F)
	Relative humidity	5% to 95% (no condensation)	5% to 95% (no condensation)	5% to 95% (no condensation)	5% to 95% (no condensation)
	Warranty period	5 years	5 years	5 years	5 years

Model		ZDS-1044F	ZDS-1081F	ZDS-1160	ZDS-1240F
Products view	Product image				
	Port type	400 Mbps electricity + 400 Mbps fibre optic	800 Mbps electrical + 100 Mbps optical	1600 Mbps Ethernet port	2400 Mbps Ethernet port
Interface	Number of Ports	8	9	16	24
	10/100 Base-TX RJ45	4	8	16	24
	10/100/1000 Base-TX RJ45				
	100 base-FX optical port	4	1		
	1000 base-X optical port SFP				
	100/1000 base-X optical port SFP				
	Optical/Electrical combo port				
Power Input	Dual Redundant Power Supply	✓	✓	✓	✓
	12-48VDC	✓	✓	✓	✓
	220VAC				
Mount	DIN-rail	✓	✓	✓	✓
	Rack mount installation				
Other	Protective class	IP40	IP40	IP40	IP40
	Dimension, mm	143.7mmx104mmx47.7mm	143.7mmx104mmx47.7mm	175.6mmx135mmx45.5mm	166mmx137mmx68.5mm
Environmental Constraints	Operating temperature	-40 to 80°C (-40 to 180°F)	-40 to 80°C (-40 to 180°F)	-40 to 80°C (-40 to 180°F)	-40 to 80°C (-40 to 180°F)
	Storage temperature	-40 to 80°C (-40 to 180°F)	-40 to 80°C (-40 to 180°F)	-40 to 80°C (-40 to 180°F)	-40 to 80°C (-40 to 180°F)
	Relative humidity	5% to 95% (no condensation)	5% to 95% (no condensation)	5% to 95% (no condensation)	5% to 95% (no condensation)
	Warranty period	5 years	5 years	5 years	5 years

Unmanaged Gigabit Industrial Ethernet Switches

Model		ZDGS-1050	ZDGS-1041GF	ZDGS-1080	ZDGS-1082GF
Products view	Product image				
	Port type	5 Gigabit Ethernet	4 Gigabit Ethernet + 1 Gigabit Fibre Optic	8 Gigabit Ethernet	8 Gigabit Ethernet + 2 Gigabit Fibre Optic
Interface	Number of Ports	5	5	8	10
	10/100 Base-TX RJ45				
	10/100/1000 Base-TX RJ45	5	4	8	8
	100 base-FX optical port				
	1000 base-X optical port SFP		1		2
	100/1000 base-X optical port SFP				
	Optical/Electrical combo port				
Power Input	Dual Redundant Power Supply	✓	✓	✓	✓
	12-48VDC	✓	✓	✓	✓
	220VAC				
Mount	DIN-rail	✓	✓	✓	✓
	Rack mount installation				
Other	Protective class	IP40	IP40	IP40	IP40
	Dimension, mm	118mm×85.8mm×33.5mm	118mm×85.8mm×33.5mm	40.6mm×103mm×78mm	143.7mm×104mm×47.7mm
Environmental Constraints	Operating temperature	-40 to 80°C (-40 to 180°F)	-40 to 80°C (-40 to 180°F)	-40 to 75°C	-40 to 80°C (-40 to 180°F)
	Storage temperature	-40 to 80°C (-40 to 180°F)	-40 to 80°C (-40 to 180°F)	-40 to 85°C	-40 to 80°C (-40 to 180°F)
	Relative humidity	5% to 95% (no condensation)	5% to 95% (no condensation)	5% to 95% (no condensation)	5% to 95% (no condensation)
	Warranty period	5 years	5 years	5 years	5 years

Model		ZDGS-1028GF	ZDGS-1162GF	ZDGS-1240	ZDGS-1242GF
Products view	Product image				
	Port type	2 Gigabit Ethernet + 8 Gigabit Fibre Optic	16 Gigabit Ethernet + 2 Gigabit Fibre Optic	24-port Gigabit Ethernet	24 Gigabit electrical + 2 Gigabit optical
Interface	Number of Ports	10	18	24	26
	10/100 Base-TX RJ45				
	10/100/1000 Base-TX RJ45	2	16	24	24
	100 base-FX optical port				
	1000 base-X optical port SFP	8	2		2
	100/1000 base-X optical port SFP				
	Optical/Electrical combo port				
Power Input	Dual Redundant Power Supply	✓	✓	✓	✓
	12-52VDC	✓	✓	✓	✓
	220VAC				
Mount	DIN-rail	✓	✓	✓	
	Rack mount installation				✓
Other	Protective class	IP40	IP40	IP40	IP40
	Dimension, mm	143.7mm×125mm×47.7mm	175.6mm×135mm×45.5mm	166mm×137mm×83.5mm	442mm×194mm×44mm
Environmental Constraints	Operating temperature	-40 to 80°C (-40 to 180°F)	-40 to 80°C	-40 to 80°C	-40 to 80°C
	Storage temperature	-40 to 80°C (-40 to 180°F)	-40 to 80°C	-40 to 85°C	-40 to 80°C
	Relative humidity	5% to 95% (no condensation)	5% to 95% (no condensation)	5% to 95% (no condensation)	5% to 95% (no condensation)
	Warranty period	5 years	5 years	5 years	5 years

Managed Industrial Ethernet Switches

Model		ZDS-2082GF	ZDGS-2082GF	ZDGS-2244GF	ZDGS-2168GF
Products view	Product image				
	Port type	800M electrical + 2G optical	8 Gigabit electrical + 2 Gigabit optical	24 Gigabit electrical ports + 4 Gigabit optical ports	16 Gigabit electrical + 8 Gigabit optical
Interface	Number of Ports	10	10	28	24
	10/100 Base-TX RJ45	8			
	10/100/1000 Base-TX RJ45		8	24	16
	100 base-FX optical port				
	1000 base-X optical port SFP		2		8
	100/1000 base-X optical port SFP	2		4	
	Optical/Electrical combo port				
Power Input	Dual Redundant Power Supply	✓	✓	✓	✓
	12-52VDC	✓	✓	✓	✓
	220VAC				
Mount	DIN-rail	✓	✓	✓	✓
	Rack mount installation				
Other	Protective class	IP40	IP40	IP40	IP40
	Dimension, mm	143.7mm×104mm×47.7mm	143.7mm×125mm×47.7mm	166mm×137mm×80mm	166mm×137mm×68.5mm
Environmental Constraints	Operating temperature	-40 to 80°C (-40 to 180°F)	-40 to 80°C (-40 to 180°F)	-40 to 80°C (-40 to 180°F)	-40 to 80°C (-40 to 180°F)
	Storage temperature	-40 to 80°C (-40 to 180°F)	-40 to 80°C (-40 to 180°F)	-40 to 80°C (-40 to 180°F)	-40 to 80°C (-40 to 180°F)
	Relative humidity	5% to 95% (no condensation)	5% to 95% (no condensation)	5% to 95% (no condensation)	5% to 95% (no condensation)
	Management and maintenance (WEB, CLI, SNMP)	✓	✓	✓	✓
	Redundancy (STP/RSTP/MSTP /ERPS)	✓	✓	✓	✓
	VLAN	✓	✓	✓	✓
	Qos,TOS/DiffServ	✓	✓	✓	✓
	Port rate limit	✓	✓	✓	✓
	ALC Access Control List	✓	✓	✓	✓
	Network Storm Suppression	✓	✓	✓	✓
Warranty period	5 years	5 years	5 years	5 years	

Managed rack-mount Gigabit industrial Ethernet switch

Model		ZRS-2242GF	ZRGS-2244GF
Products view	Product image		
	Port type	2400 Mbps ports + 2 Gigabit optical ports	24 Gigabit Ethernet + 4 Gigabit fibre optic multiplexing
Interface	Number of Ports	26	32
	10/100 Base-TX RJ45	24	
	10/100/1000 Base-TX RJ45		24
	100 base-FX optical port		
	1000 base-X optical port SFP		4
	100/1000 base-X optical port SFP	2	
	Optical/Electrical combo port		4
Power Input	Dual Redundant Power Supply		
	Power supply specifications	AC100-240V	AC220V
Mount	DIN-rail	✓	
	Rack mount installation	✓	✓
Other	Protective class	IP40	IP40
	Dimension, mm	442mm×194mm×44mm	442mm×325mm×44mm
Environmental Constraints	Operating temperature	-40 to 80°C (-40 to 180°F)	-40 to 80°C (-40 to 180°F)
	Storage temperature	-40 to 80°C (-40 to 180°F)	-40 to 80°C (-40 to 180°F)
	Relative humidity	5% to 95% (no condensation)	5% to 95% (no condensation)
	Management and maintenance (WEB, CLI, SNMP)	✓	✓
	Redundancy (STP/RSTP/MSTP /ERPS)	✓	✓
	VLAN	✓	✓
	Qos,TOS/DiffServ	✓	✓
	ALC Access Control List	✓	✓
	IGMP/MLD snooping	✓	IGMP snooping
	Network Storm Suppression	✓	✓
	Monitoring and debugging (port mirroring, port status, logs)	Port Status/Log	Port Status/Log
	Warranty period	5 years	5 years

Model		ZRGS-3240-4XF	ZRGS-3168GC-4XF	ZRGS-3486XF
Products view	Product image			
	Port type	4 Gigabit optical ports + 24 Gigabit electrical ports	40 Gigabit optical + 16 Gigabit electrical ports + 8 optical-electrical multiplexing	6 Gigabit Ethernet ports + 48 Gigabit Ethernet ports
Interface	Number of Ports	28	28	54
	10/100/1000 Base-TX RJ45	24	16	48
	Optical/Electrical combo port		8	
	10G SFP optical port	4	4	6
Power Input	Dual Redundant Power Supply	✓	✓	✓
	DC 36-72V	✓	✓	
	AC/DC 100-240V	✓	✓	✓
Mount	DIN-rail			
	Rack mount installation	✓	✓	✓
Other	Protective class			
	Dimension, mm	442mm×325mm×44mm	442mm×194mm×44mm	440mm×270mm×44mm
Environmental Constraints	Operating temperature	-40 to 80°C	-40 to 80°C	-10 to 50°C
	Storage temperature	-40 to 85°C	-40 to 85°C	-40 to 75°C
	Working humidity	10% to 90% non-condensing	10% to 90% non-condensing	10% to 90% non-condensing
	Storage humidity	5% to 95% non-condensing	5% to 95% non-condensing	5% to 90% non-condensing
	Two-layer network management	✓	✓	✓
	Three-layer routing	✓	✓	✓
	Management and maintenance (WEB, CLI, SNMP)	✓	✓	✓
	Static routing/dynamic routing/VRRP	✓	✓	✓
	Redundancy (STP/RSTP/MSTP /ERPS)	✓	✓	✓
	VLAN	✓	✓	✓
	Qos,TOS/DiffServ	✓	✓	✓
	ALC Access Control List	✓	✓	✓
	IGMP/MLD snooping	✓	✓	✓
	Network Storm Suppression	✓	✓	✓
	Monitoring and debugging (port mirroring, port status, logs)	✓	✓	✓
	Warranty period	5 years	5 years	5 years

Model		ZMC-101	ZMGC-101
Products view	Product image		
	Port type	100 Mbps electricity + 100 Mbps fiber optic	1 Gigabit Ethernet + 1 Gigabit Fiber Optic
Interface	Number of Ports	2	2
	10/100 Base-TX RJ45	1	
	10/100/1000 Base-TX RJ45		1
	100 base-FX optical port	1	
	1000 base-X optical port SFP		1
	100/1000 base-X optical port SFP		
	Optical/Electrical combo port		
Power Input	Dual Redundant Power Supply	✓	✓
	12-52VDC	✓	✓
	220VAC		
Mount	DIN-rail	✓	✓
	Rack mount installation		
Other	Protective class	IP40	IP40
	Dimension, mm	118mm×85.8mm×33.5mm	118mm×85.8mm×33.5mm
Environmental Constraints	Operating temperature	-40 to 80°C (-40 to 180°F)	-40 to 80°C (-40 to 180°F)
	Storage temperature	-40 to 80°C (-40 to 180°F)	-40 to 80°C (-40 to 180°F)
	Relative humidity	5% to 95% (no condensation)	5% to 95% (no condensation)
	Warranty period	5 years	5 years

Model		ZDGS-1080-M12
Products view	Product image	
	Port type	8 Gigabit ports
Interface	Number of Ports	8
	10/100 Base-TX RJ45	
	10/100/1000 Base-TX RJ45	8
	100 base-FX optical port	
	1000 base-X optical port SFP	
	100/1000 base-X optical port SFP	
	Optical/Electrical combo port	
Power Input	Dual Redundant Power Supply	
	12-52VDC	✓
	220VAC	
Mount	DIN-rail	✓
	Rack mount installation	
Other	Protective class	IP64
	Dimension, mm	157.8mm×121mm×43.2mm
Environmental Constraints	Operating temperature	-40 to 85°C (-40 to 185°F)
	Storage temperature	-40 to 85°C (-40 to 185°F)
	Relative humidity	5% to 95% (no condensation)
	Warranty period	5 years

Non-network managed industrial-grade 100 Mbps POE switch

Model		ZDPS-1080
Products view	Product image	
	Port type	8 Gigabit Ethernet ports
Interface	Number of Ports	8
	10/100 Base-TX RJ45	8
	10/100/1000 Base-TX RJ45	
	100 base-FX optical port	
	1000 base-X optical port SFP	
	100/1000 base-X optical port SFP	
	Optical/Electrical combo port	
Power Input	Dual Redundant Power Supply	✓
	DC12-52V	✓
	220VAC	
Mount	DIN-rail	✓
	Rack mount installation	
Other	Protective class	IP40
	Dimension, mm	143.7mm×104mm×47.7mm
Environmental Constraints	Operating temperature	-40 to 80°C (-40 to 180°F)
	Storage temperature	-40 to 80°C (-40 to 180°F)
	Relative humidity	5% to 95% (no condensation)
	Warranty period	5 years