



24-PORT, DIN MOUNT, INDUSTRIAL ETHERNET UNMANAGED SWITCH

DDS SERIES



SYNOPSIS

- DDS 1024 Y IS A HARDENED 24-PORT INDUSTRIAL ETHERNET SWITCH DESIGNED TO DELIVER NON-BLOCKING, WIRE-SPEED PERFORMANCE IN DEMANDING INDUSTRIAL ENVIRONMENTS.
- IT IS WELL SUITED FOR APPLICATIONS SUCH AS SURVEILLANCE SYSTEMS, CONTROL AND AUTOMATION NETWORKS, AND WIRELESS SERVICE DEPLOYMENTS.

FEATURES

- IT IS HOUSED IN A SLIM, IP40-RATED ENCLOSURE
- SUPPORTS DIN-RAIL MOUNTING.
- WIDE DC INPUT VOLTAGE RANGE OF 12–52 VDC
- DUAL-REDUNDANT POWER INPUTS WITH REVERSE POLARITY PROTECTION

TECHNICAL SPECIFICATIONS

10/100BASE-TX Port	24 port RJ-45 auto-MDI / MDI-X	
Performance Specification	Bandwidth	:4.8Gbps
	Packet Buffer Memory	:4Mbit
	Packet Forwarding Rate	:3.6Mpps
	MAC Address Table	:8K
Maximum Frame Size	2000bytes packet size	
Flow Control	Back pressure for half duplex, IEEE 802.3x pause frame for full duplex	
LED Indicator	Power	: Red
	Ethernet	: Yellow
MTBF	300,000hours	
Network Protocols	IEEE802.3 10BASE-T.	
	IEEE802.3i 10Base-T	
	IEEE802.3u;100Base-TX	
	IEEE802.3x	
Network cables	10BASE-T: Cat3,4,5 UTP (≤100 meter)	
	100BASE-TX: Cat5 or later UTP(≤100meter)	

APPROVAL AND STANDARD TESTED FOR

IEC61000-4-2	ESD: $\pm 8\text{kV}$ (contact), $\pm 12\text{kV}$ (air)
IEC61000-4-3	RS: 10V/m (80~1000MHz)
IEC61000-4-4	EFT: Power Port: $\pm 4\text{kV}$; Data Port: $\pm 2\text{kV}$
IEC61000-4-5	Surge: Power Port: $\pm 2\text{kV/DM}$, $\pm 4\text{kV/CM}$; Data Port: $\pm 2\text{kV}$
IEC61000-4-6	CS: 3V (10kHz-150kHz); 10V (150kHz-80MHz)
IEC61000-4-8	Power-Frequency Magnetic Field Immunity
IEC61000-4-24	Common-Mode Conduction Protection
IEC 60068-2-27	Shock
IEC 60068-2-32	Free fall
IEC 60068-2-6	Vibration
FCC CFR47 Part 15, EN55022/CISPR22, Class A	Other

POWER

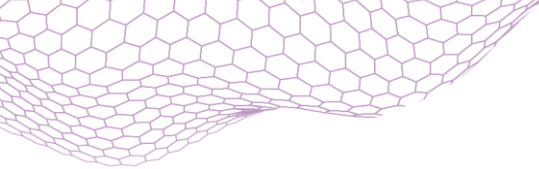
Power Supply	12 to 52V DC, Redundant power, Reverse Polarity protected
Power Consumption	< 10 watts
Surge protection	$\text{CM} \pm 4\text{KV}$, $\text{DM} \pm 2\text{KV}$

PHYSICAL PARAMETER

Dimension (W*D*H)	$166 \times 137 \times 68.5\text{mm}$
Installation	DIN rail
Enclosure	IP40 Aluminium Housing
Weight	1.4KG

ENVIRONMENTAL

Operation Temperature	-40 to + 80°C
Storage Temperature	-40 to +80°C
Relative Humidity	5% to 95% RH Non-condensing



ORDERING CODE

DDS 1024 Y

DDS	Industrial Grade DIN Mount Unmanaged Ethernet switch
1024	24* 10/100BASE-TX Port
Y	Fixed

