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RACKMOUNT UMANAGED INDUSTRIAL ETHERNET SWITCH

16/20/24/28 PORTS

DDSR SERIES



DATA BRIDGE

D Y N A M I C

SYNOPSIS

- DDSR 10XX SERIES ARE UNMANAGED RACK INDUSTRIAL ETHERNET SWITCHES.
- IT ADOPTS MODULAR DESIGN, MEETS DIFFERENT INDUSTRIAL COMMUNICATION REQUIREMENTS.
- THIS SERIES ADOPT FANLESS DESIGN, WITHOUT NOISE INTERFERENCE.
- THE OPERATING TEMPERATURE RANGE IS FROM -40 TO 85°C.
- TOGETHER WITH GOOD EMC COMPATIBILITY, IT PROVIDES SAFE AND RELIABLE SOLUTION FOR INDUSTRIAL AUTOMATION, INTELLIGENT TRANSPORTATION, VIDEO TRANSMISSION, AND OTHER INDUSTRIAL APPLICATION NETWORKING ACCESS

FEATURES & BENEFITS

- UPTO 28 PORTS, MULTIPLE COMBINATION FOR ETHERNET AND FIBER PORTS.
- SUPPORTS DIFFERENT TYPES OF FIBER PORTS, WITH OPTIONAL ST/SC/FC/SFP SLOT
- ETHERNET PORT SUPPORT FULL/HALF-DUPLEX, AUTO MDI/MDI-X
- SUPPORTS STORE-AND-FORWARD
- SUPPORTS ESD LEVEL 4 & SURGE LEVEL 4 PROTECTION
- OPERATING TEMPERATURE: -40 TO 85°C
- MTBF > 500,000H
- NON-BLOCKING, FULL LINE FORWARDING
- IP40, FANLESS DESIGN

HARDWARE SPECIFICATIONS

Standard and Protocol	IEEE802.3, IEEE802.3u, IEEE802.3z, IEEE802.3ab, IEEE802.3x
Fiber ports	100Base-FX (SC/FC/ST), 1000Base-X (SC/FC/ST/SFP slot)
RJ45 ports	10/100Base-T(X), Auto MDI/MDI-X
Tx Power	5 dBm
Rx Sensitivity	34dBm
Chip set type	Broadcom
RAM for CPU	3M
Flash Memory	16M
Transmission distance	Cat 5e: 100m Fiber: SM: 1310nm 20/40/60Km. 1550nm 80/100/120Km Multi-mode: 1310nm 2Km

SWITCHING PERFORMANCE

Forwarding rate	148,810 pps, Fast Ethernet 1,488,095 pps, Giga Ethernet
Transmission mode	Store-and-forward
MAC address buffer	8K
Backplane bandwidth	12.8G
Buffer Memory	12M
Time Delay	< 10μsec
Jumbo frames	2K bytes
Auto-Uplink Every Port	

POWER

Input voltage	110/220VAC (88 to 264VAC)/50-60Hz or 110/220VDC (88 to 264VDC) This device supports Single power input, with Dual power redundant input as option Reverse polarity protection 5 Pin Terminal block
Power consumption	< 30W
LED indication	Power 1, Power 2, RJ45 ports, ALM, RUN
Alarm Relay	1A @24V DC. 3 Pin Terminal block for PWR Alarm

MECHANICAL

IP rating	IP40
Weight	<4440g
Installation	Rackmount
Dimension	440mm×44mm×315mm (W×H×D)
MTBF	> 500,000h

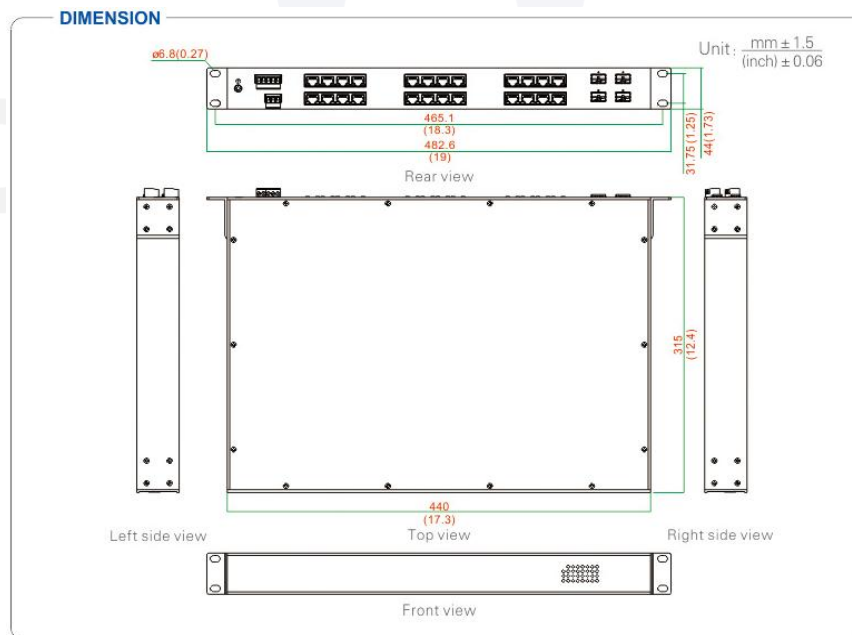
OPERATING ENVIRONMENT

Operating temperature	-40°C to 85°C
Storage temperature	-40°C to 85°C
Relative humidity	0 to 95%(non-condensing)

APPROVALS & STANDARDS TESTED FOR

IEC 61000-4-2	Electrostatic Discharge
IEC 61000-4-3	RF Immunity
	Continuous Radiated Disturbance
IEC 61000-4-4	Electrical Fast Transient
IEC 61000-4-5	Surge Immunity
IEC 61000-4-6	Conducted RF immunity
	Continuous Conducted Disturbance
IEC 60068-2-27	Shock
IEC 60068-2-32	Freefall
FCC Part 15, CISPR (EN55022) class A	EMI

DIMENSIONS



ORDERING CODE

DDSR 10**-*F-*S MM/XX00 YY ZZ R/S S

Model	10/100Base T Ports	100Base FX Ports	1000Base FX Ports	1000Base SFP
DDSR 108-8F-XX00-YY ZZ R/S S	8	8		
DDSR 108-16F-XX00-YY ZZ R/S S	8	16		
DDSR 1016 ZZ R/S S	16			
DDSR 1016-2F-XX00-YY ZZ R/S S	16	2		
DDSR 1016-4F-XX00-YY ZZ R/S S	16	4		
DDSR 1016-8F-XX00-YY ZZ R/S S	16	8		
DDSR 1016-2FG-XX00-YY ZZ R/S S	16		2	
DDSR 1016-4FG-XX00-YY ZZ R/S S	16		4	
DDSR 1016-4S ZZ R/S S	16			4
DDSR 1024 ZZ R/S S	24			
DDSR 1024-2F-XX00-YY ZZ R/S S	24	2		
DDSR 1024-4F-XX00-YY ZZ R/S S	24	4		
DDSR 1024-2FG-XX00-YY ZZ R/S S	24		2	
DDSR 1024-4FG-XX00-YY ZZ R/S S	24		4	
DDSR 1024-4S ZZ R/S S	24			4
DDSR 104-24F-XX00-YY ZZ R/S S	4	24		

DDSR	Unmanaged 10/100 Rack type switch
10**	No. of Copper Ports 10/100M
*S	No. of Fixed fiber 100/1000 M or SFP Ports1000M
MM/XX00	MM: Multimode S020: Single Mode 20Km S040: Single Mode 40Km S080: Single Mode 80Km
YY	Connector Type: SC/ST/FC
ZZ	Input Supply AC for 110/220V AC. DC for 110/220V DC. Range 88 to 264V for both options
R/S	R for Dual Redundant Input. S for Single Power Input by Default
S	Fixed