



RACKMOUNT UMANAGED INDUSTRIAL ETHERNET SWITCH – GIGA

16/20/24/28 PORTS

DDSGR SERIES



DATA BRIDGE
D Y N A M I C

SYNOPSIS

- DDSGR 10XX SERIES ARE UNMANAGED GIGA 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
- SUPPORTS POWER ALARM

HARDWARE SPECIFICATIONS

Standards & Protocols	IEEE802.3, IEEE802.3u, IEEE802.3z, IEEE802.3ab	
	DYNAMIC	
Ports	Fiber ports	1000Base-X (SFP slot)
	RJ45 ports	10/100/1000Base-T(X), auto MDI/MDI-X
Transmission distance	Cat 5e	100m
	Fiber	Single-mode: 1310nm 20/40/60Km 1550nm20/40/60/80/100/120Km Multi-mode: 1310nm 2Km
Switching performance	Forwarding rate	1,488,095pps (Gigabit port)
	Transmission mode	Store-and-forward
	MAC address buffer	8K
	Backplane bandwidth	56G
	Buffer Memory	12M
Auto-Uplink Every Port		

APPROVALS & STANDARDS TESTED FOR

IEC 61000-4-2: 2009	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

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
Power consumption	Rated power: 30W

MECHANICAL

IP rating	IP40
Weight	<4440g
Installation	Rackmount
Dimension	440mm×44mm×315mm (W×H×D)

OPERATING ENVIRONMENT

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

ORDERING CODE

DDSGR 10XX-YS ZZ R/S S

Model	10/100/1000 Base T Ports	1000 Base FX SFP Ports
DDSGR 108-8S ZZ R/S S	8	8
DDSGR 1016 ZZ R/S S	16	
DDSGR 1016-4S ZZ R/S S	16	4
DDSGR 1016-8S ZZ R/S S	16	8
DDSGR 1016-12S ZZ R/S S	16	12
DDSGR 1024 ZZ R/S S	24	
DDSGR 1024-4S ZZ R/S S	24	4

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

DIAMENSONS

