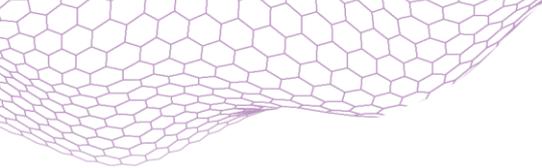


6 PORT LAYER 2 INDUSTRIAL GRADE MANAGED GIGA POE SWITCH

DDPSMG SERIES





SYNOPSIS

- THE DATABRIDGE DYNAMIC DDPSMG 304-2S ST IS LAYER 2 HIGH-RELIABILITY INDUSTRIAL-GRADE MANAGED POE SWITCH DESIGNED FOR DEMANDING APPLICATIONS
- EQUIPPED WITH 4 × 10/100/1000-T POE PORTS AND 2 × 1000BASE-X FIBER OPTICAL PORTS.
- FULLY COMPLIANT WITH IEEE 802.3AF / 802.3AT (POE/POE+), DELIVERING UP TO 30W PER PORT.
- SUPPORTS ERPS REDUNDANT NETWORK WITH A SELF-RECOVERY TIME < 20 MS UNDER FULL LOAD, ENABLING ROBUST REDUNDANT RING TOPOLOGIES.
- OFFERS COMPREHENSIVE MANAGEMENT INTERFACES INCLUDING WEB, SNMP, AND TELNET.
- ADVANCED L2 MANAGED FEATURES INCLUDE:
 1. QOS, VLAN, IGMP SNOOPING, PORT MIRRORING
 2. 802.1X AUTHENTICATION, LLDP, FIBER TRANSCEIVER DDM, POE MANAGEMENT
- DESIGNED FOR HARSH INDUSTRIAL ENVIRONMENTS WITH:
 1. WIDE-RANGE 44–57 VDC POWER INPUT
 2. REDUNDANT POWER DESIGN AND REVERSE POLARITY PROTECTION
 3. IP40-RATED FANLESS METAL HOUSING SUPPORTING DIN-RAIL INSTALLATION
 4. OPERATING TEMPERATURE: –40°C TO +75°C
 5. HIGH EMC/EMI IMMUNITY
- PROVIDES A COST-EFFECTIVE AND USER-FRIENDLY SOLUTION FOR ESSENTIAL INDUSTRIAL ETHERNET NETWORKING NEEDS.
- IDEAL FOR HEAVY INDUSTRIES, TRANSPORTATION, OIL & GAS, CHEMICAL PLANTS, IP SURVEILLANCE, AND AUTOMATION SYSTEMS.

SYNOPSIS

- 4*10/100/1000BASE-T RJ45 POE PORTS, 2* 1000 BASE-X SFP PORTS
- DC 44 TO 57V INPUT, REDUNDANT POWER SUPPLY WITH POLARITY REVERSE/OVER-VOLTAGE PROTECTION
- COMPLIES WITH IEEE802.3AF POE AND IEEE802.3AT POE+ STANDARD
- SUPPORT LAYER 2 MANAGEMENT FUNCTION: LAN/PORT MIRRORING/IGMP/QOS/LLDP/802.1X/FIBER TRANSCEIVER DDM/POE MANAGEMENT/IPV6 MANAGEMENT/WEB/SNMP/TELNET/TFTP/WEB UPGRADING
- SUPPORT G.8032 ERPS PROTOCOL, RECOVERY TIME ≤20MS
- SUPPORT 4KV SURGE PROTECTION AND ESD: AIR-15KV, CONTACT-8KV PROTECTION
- IP40 FAN-LESS AND DIN-RAIL HARDWARE DESIGN
- OPERATION TEMPERATURE: -40 °C TO +75°C

TECHNICAL SPECIFICATIONS

Interface	4*10/100/1000Base-T RJ45 PoE 2*100/1000Base-X SFP
Management port	1*RJ45 Console port,
Standard	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Ethernet IEEE 802.3ab 1000Base-T Ethernet IEEE 802.3z 1000Base-X Ethernet IEEE802.3x Flow Control and Back Pressure IEEE 802.1D Spanning Tree Protocol IEEE 802.1w Rapid Spanning Tree Protocol IEEE 802.1Q VLAN ITU-T G.8032 ERPS IEEE 802.1X Port Authentication Network Control IEEE 802.1ab LLDP IEEE 802.3ad LACP IEEE 802.3af PoE IEEE802.3at PoE+
MTBF	> 200,000 hours
LED Indicator	P (Power indicator) S (System status indicator) 1-4 (Copper ports indicators) Green 1-4 (PoE status indicators) Yellow 5-6 (Fiber ports indicators) Green

SOFTWARE FEATURES

LAYER 2 FUNCTIONS

Port aggregation	Support static aggregation Support dynamic aggregation
Port features	Support IEEE802.3x flow control, Support Port traffic statistics Support port isolation Support network storm suppression based on port bandwidth percentage
VLAN	Support access mode Support trunk mode Support hybrid mode

Port mirroring	Support many to one port mirroring
Ring network protocol	Support STP, RSTP Support G.8032 ERPS protocol single ring, sub-Ring and associated sub ring Recovery time ≤20ms
Multicast	IGMP V1, V2, V3 IGMP snooping
QoS	Ingress Port-based Rate-limit Egress Port-based Rate-limit
Security features	Support 802.1x, port authentication, MAC authentication RADIUS service Support port isolation
Management and maintenance	Support LLDP Support user management and login authentication Support SNMPV1/V2C/V Support web management, HTTP1.1, HTTPS Support Syslog and alarm grading Support RMON (Remote Monitoring) alarm Support NTP Support Ping, Tracert Support optical transceiver DDM function Support TFTP Client Support Telnet Server Support SSH Server Support IPv6 Management Support PoE management Support TFTP, web upgrading

DATA BRIDGE

D Y N A M I C

SWITCHING FEATURES

Switching capacity	12Gbps
Packet forwarding rate	17.8Mpps
MAC address table	8K
VLAN	4K
Buffer	1Mbit
Forwarding delay	<5us
Jumbo Frame	Support 10Kbytes
MDX/MIDX	Support
Watchdog	Support

APPROVALS & STANDARDS TESTED FOR

IEC 61000-4-5	Surge protection of power Level 3 (4KV/2KV) (8/20us) Surge protection of Ethernet ports: Level 3 (4KV/2KV (10/700us)
IEC 61000-4-11	DIP Level 3 (10V)
IEC61000-4-2	ESD: Contact:8K ; Air:15K
IEC 60068-2-27	Shock
IEC 60068-2-32	Free fall
IEC 60068-2-6	Vibration
CCC/CE/FCC/RoHS	Certification

POWER

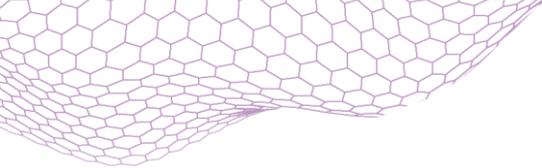
Input voltage	44-57VDC Redundant power input.
Input current	3A Max
Total power consumption	Full loading without PoE ≤6W PoE power budget ≤120W
Connector	Removable 4-pin terminal block
Reverse polarity protection	Support
Over-voltage protection	Support

PHYSICAL CHARACTERISTICS

Dimension(W*D*H) mm	30*98*130mm
Case protection	IP40
Installation	DIN rail
Weight	0.56Kg

ENVIRONMENTAL

Working Temperature	-40 to +75°C
Storage Temperature	-40 to +85°C
Operating Humidity	10% to 90% RH Non-condensing
Storage Humidity	5% to 95% RH Non-condensing



ORDERING CODE

DDPSMG 304-2S ST

DDPSMG	Industrial Grade Giga Managed L2 PoE switch
304	4 * 10/100/1000Base-T PoE ports
2S	2 * 100/1000Base-X SFP
ST	Fixed



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