



16 PORT INDUSTRIAL ETHERNET UNMANGED GIGA POE SWITCH

DDPSG SERIES



SYNOPSIS

- DDPSG 1160-2S ST IS 16-PORT 10/100/1000-T POE + 2-PORT 1000BASE-X SFP INDUSTRIAL POE SWITCH.
- SWITCH SUPPORTS IEEE 802.3AF / IEEE 802.3AT POE/POE+ WITH UP TO 30W POWER PER PORT.
- SUPPORT LINK AGGREGATION FUNCTIONALITY FOR ENHANCED BANDWIDTH AND RELIABILITY.
- 250M LONG-DISTANCE TRANSMISSION MODE AVAILABLE ON PORTS 1-4.
- QOS PRIORITY MODE AVAILABLE ON PORTS 1-2.
- POE WATCHDOG FUNCTION FOR AUTOMATIC RECOVERY OF UNRESPONSIVE DEVICES.
- ALL ADVANCED FUNCTIONS CONFIGURABLE VIA TOP-PANEL DIP SWITCH.
- WIDE RANGE 44-57VDC POWER INPUT WITH REDUNDANT DUAL POWER DESIGN.
- PROTECTION AGAINST REVERSE POLARITY, OVER-VOLTAGE, AND OVER-CURRENT.
- IP40 RUGGED FANLESS METAL HOUSING WITH DIN-RAIL INSTALLATION.
- OPERATES IN EXTREME TEMPERATURES FROM -40°C TO +75°C.
- SUPPORT 6KV SURGE PROTECTION AND ESD: AIR-15KV, CONTACT-8KV PROTECTION.
- IT IS THE BEST CHOICE FOR HEAVY INDUSTRIAL FACTORY, TRANSPORTATION, OIL & GAS, CHEMICAL, IP SURVEILLANCE AND PROCESSING AUTOMATION AREA WHERE ENVIRONMENTAL CONDITIONS EXCEED COMMERCIAL PRODUCT SPECIFICATIONS.

TECHNICAL SPECIFICATIONS

Interface	16 * 10/100/1000Base-T PoE 2 * 1000Base-X SFP
Alarm port	One relay output for power failure. Alarm relay current carry ability: 1A@24VDC
Standard	IEEE 802.3 10Base-T Ethernet IEEE 802.3u Fast Ethernet IEEE 802.3ab Gigabit Ethernet IEEE 802.3x Full-Duplex Flow Control IEEE 802.3az Energy Efficient Ethernet IEEE 802.3af Power-Over-Ethernet IEEE 802.3at Power Over Ethernet plus PSE
DIP Switch	Link aggregation 250m long distance mode (1-4 ports) QoS (1-2 ports) PoE watchdog
LED Indicators	P (Power indicator) S (PoE usage indicator) 1-16 (Copper ports) 17-18 (Fiber ports)
Network Topology	Support Star Topology Support Bus Topology Support Tree Topology

SWITCHING FEATURES

Switching capacity	36Gbps
Packet forwarding rate	53.5Mpps
MAC address table	8K
VLAN	4K
Buffer	2M
Forwarding delay	<5us
Jumbo Frame	Support 10Kbytes
MDX/MIDX	Support
Watchdog	Support

APPROVALS & STANDARDS TESTED FOR

IEC 61000-4-2	Electrostatic Discharge. ±8kV (contact), ±15kV (Air)
IEC 61000-4-3	RF Immunity 10V/m (80~1000MHz)
IEC 61000-4-4	Electrical Fast Transient Power Port: ±4kV; Data Port: ±2kV
IEC 61000-4-5	Surge Immunity 6KV/2KV (10/700us)
IEC 61000-4-6	Conducted RF immunity 3V (10kHz-150kHz); 10V (150kHz-80MHz)
IEC 60068-2-27	Shock
IEC 60068-2-32	Freefall
IEC 60068-2-6	Vibration
FCC Part 15B Class A	EMI
CCC/CE/FCC/RoHS	Certification

POWER

Input Voltage	44-57VDC, Redundant power input
Input current	5.7A Max
Surge protection	±4KV
Total power consumption	Full loading without PoE ≤10W PoE Power budget ≤240W
Connector	Removable 6-pin terminal block, pin 5/6 for relay alarm output
Reverse polarity protection	Support
Over-voltage protection	Support
Over-current protection	Support

PHYSICAL CHARACTERISTICS

Dimension (W x D x H)	54*115*158mm
Enclosure	IP40
Installation	DIN-rail
Weight	1.43kg

ENVIRONMENT

Working Temperature	-40°C to +75°C
Storage Temperature	-40°C to +85°C
Relative Humidity	5-95% (non-condensing)

ORDERING CODE

DDPSG 1160-2S ST

DDPSG	Industrial Grade Unmanaged Giga PoE Ethernet Switch
1160	16 * 10/100/1000Base-T PoE
2S	2 * 1000Base-X SFP
ST	Fixed