



10 PORT INDUSTRIAL UNMANAGED GIGA POE SWITCH

DDPSG SERIES



SYNOPSIS

- THE DDPSG 108-2S E IS INDUSTRIAL POE UNMANAGED FIBER SWITCH WITH 8 × 10/100/1000M POE + 2 X 1000M SFP + PORTS INDUSTRIAL POE SWITCH.
- PORTS 1–8 SUPPORT IEEE 802.3AF/AT POE, PROVIDING UP TO 30W POWER PER PORT, WITH A TOTAL POE POWER BUDGET OF 120W (UP TO 240W OPTIONAL).
- THE SWITCH AUTOMATICALLY DETECTS POE-SUPPORTED DEVICES AND SUPPLIES POWER THROUGH THE NETWORK CABLE. IT CAN POWER DEVICES SUCH AS WIRELESS ACCESS POINTS, IP CAMERAS, AND INDUSTRIAL SENSORS, MAKING IT IDEAL FOR APPLICATIONS THAT REQUIRE HIGH-DENSITY POE.
- THE DDPSG 108-2S E IS DESIGNED FOR INDUSTRIAL ENVIRONMENTS AND HELPS BUILD A COST-EFFECTIVE, STABLE, AND RELIABLE COMMUNICATION NETWORK. IT IS SUITABLE FOR INTELLIGENT TRANSPORTATION, RAIL TRANSIT, POWER INDUSTRY, MINING, OIL AND GAS, MARINE APPLICATIONS, METALLURGY, AND GREEN ENERGY PROJECTS.

TECHNICAL SPECIFICATIONS

Interface	8*10/100/1000Base-T PoE ports (Data/Power) 2*1000Base-X uplink SFP slot ports (Data) 2 set of V+, V- redundant DC power interface (5 Pin Phoenix terminal)
PoE Port	Port 1-8 supports POE @ IEEE802.3af/at
Network Protocol	IEEE802.3 10BASE-T IEEE802.3u 100BASE-T/TX IEEE802.3ab 1000BASE-T IEEE802.3z 1000BASE-X IEEE802.3u 100BASE-FX IEEE802.3x.
PoE Standard	IEEE802.3af/at
Ethernet Port Feature	Port 1-8 support 10/100/1000Base-T(X) auto-sensing, full/half duplex MDI/MDI-X self-adaption
SFP Port Characteristic	Gigabit SFP optical fiber interface, default matching optical modules, need to buy separately, (optional order mode / multi-mode, single fiber / double fiber optical module.
Switching Capacity	20Gbps (non-blocking)
Forwarding Rate@64byte	14.88Mpps
MAC	8K
Buffer Memory	4M
Jumbo Frame	9.2K
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP (≤100 meter) 100BASE-TX: Cat5 or later UTP (≤100 meter) 1000BASE-T: Cat5e or later UTP (≤100 meter)
Optical Cable	Multimode: 850nm 0 to 500M, 1310nm 0 to 2KM. Single mode: 1310nm 0 to 40KM, 1550nm 0 to 120KM.

APPROVALS & STANDARDS TESTED FOR

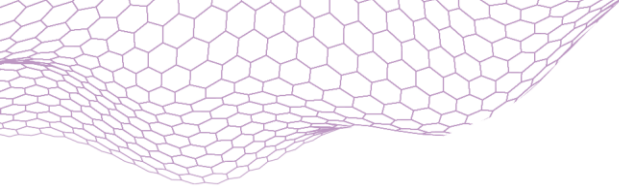
IEC 61000-4-2	(ESD) Electrostatic Discharge: $\pm 8\text{kV}$ (contact), $\pm 15\text{kV}$ (air)
IEC 61000-4-3	(RS) RF Immunity: 10V/m (80 to 1000MHz)
IEC 61000-4-4	Electrical Fast Transient: Power Port: $\pm 4\text{kV}$, Data Port: $\pm 2\text{kV}$
IEC 61000-4-5	Surge Immunity: Power Port: $\pm 2\text{kV/DM}$, $\pm 4\text{kV/CM}$, Data Port: $\pm 4\text{kV}$
IEC 61000-4-6	Radio Frequency Transmission : 10V (150kHz to 80MHz)
IEC61000-4-8	Power frequency magnetic field): 100A/m ; 1000A/m , 1s to 3s
IEC61000-4-9	Pulsed magnet field): 1000A/m
IEC61000-4-10	Damped oscillation): 30A/m 1MHz
IEC61000-4-12/18	(shockwave): $\text{CM } 2.5\text{kV}$, $\text{DM } 1\text{kV}$
IEC 61000-4-16	Common mode conduction : 30V (cont.), 300V (1s)
IEC61000-6-2	Common Industrial Standard
IEC60068-2-6	Anit Vibration
IEC60068-2-27	Anti Shock
IEC60068-2-32	Free fall
FCC Part 15/CISPR22(EN55022): Class B	Others
Lightning Protection	6KV $8/20\mu\text{s}$; Protection level: IP40

POWER

Working Voltage	48-57VDC; 5 Pin industrial Phoenix terminal, Support Anti-reverse protection.
Max Power Per Port	30W ; IEEE802.3af/at
Total PWR / Input Voltage	240W (48-57VDC)
Power Supply Pin	Default 1/2 (+), 3/6 (-), Optional 4/5 (+), 7/8 (-)
Power Consumption	Standby : $<10\text{W}$. Full load : $<120\text{W}$

PHYSICAL CHARACTERISTICS

Dimension (W x D x H)	$165*120*52\text{mm}$
Enclosure	IP40
Installation	DIN rail
Weight	1.0Kg



ENVIRONMENT

Working Temperature	-40°C to +75°C
Storage Temperature	-40°C to +85°C
Relative Humidity	5-90% RH (non-condensing)
Storage Humidity	5-95% RH (non-condensing)

ORDERING CODE

DDPSG 108-2S E

DDPSG	Industrial Unmanaged Giga PoE Switch
108	8 * 10/100/1000Base-T PoE ports
2S	2 * 1000Base-X SFP slot ports
E	Fixed

DATA BRIDGE
D Y N A M I C