



5 PORTS INDUSTRIAL ETHERNET UNMANAGED POE SWITCH

DDPS SERIES



SYNOPSIS

- DDPS 104-1S A SERIES INDUSTRIAL ETHERNET SWITCH ADOPT STORE-AND-FORWARD ARCHITECTURE, FAN-LESS AND ENERGY-SAVING DESIGN TO PROVIDE RELIABLE AND STABLE OPERATION IN HARSH INDUSTRIAL ENVIRONMENTS.
- THE POE MODELS COMPLY WITH IEEE 802.3 af/at STANDARD.
- 48 TO 58V DC AND DUAL POWER INPUT AND OPERATE AT TEMPERATURE OF -40 TO 85°C.
- WHILE USING STANDARD CAT5 / 5E / 6 CABLES THAT CARRY ETHERNET DATA, THE SWITCH CAN ALSO PROVIDE POWER TO A POWERED DEVICES SUCH AS VOIP PHONES, VIDEO CAMERAS, WIRELESS ACCESS POINTS, TRAFFIC CONTROLLERS ETC.,
- THE FULL SERIES IS WIDELY USED IN INTELLIGENT TRANSPORTATION (ITS), SAFE CITY, RENEWABLE ENERGY, MINING, WATER PROJECTS, ELECTRIC POWER SYSTEM AND OTHER INDUSTRIAL APPLICATIONS.

FEATURE

- COMPLIES WITH IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX ETHERNET STANDARD
- AUTO NEGOTIATION AND 10/100MBPS HALF / FULL DUPLEX MODE FOR EACH COPPER PORT
- PREVENTS PACKET LOSS WITH BACK PRESSURE (HALF-DUPLEX) AND IEEE 802.3X FLOW CONTROL (FULL-DUPLEX)
- AUTOMATIC ADDRESS LEARNING AND ADDRESS AGING
- 48 TO 58V DC REDUNDANT POWER INPUT WITH REVERSE POLARITY PROTECTION
- IP-40 PROTECTION ALUMINUM ALLOY CASE FOR RAPID HEAT DISSIPATION
- DIN RAIL AND WALL-MOUNT DESIGN
- 6KV SURGE PROTECTION FOR POWER AND COPPER PORT
- 8KV/15KV ESD PROTECTION

TECHNICAL SPECIFICATIONS

PERFORMANCE

Standard	IEEE802.3 10Base-T IEEE802.3u 100Base-TX and 100Base-FX IEEE802.3x Flow control and back pressure
Processing type	Store and forward
Switch Capacity	1Gbps / non-blocking
Packet forwarding Rate	0.744Mpps
MAC address	2Kbit
Buffer Space	512Kbit
Max. Packet Length	2048bits

INTERFACE

Copper port	10 / 100M Auto-negotiation, RJ45 Auto-Cross for MDI / MDIX Cat5 / Cat5e / Cat6, 100m
Fiber Port	155M SFP OS1 / OS2 ?120km; OM1 / OM2 550m / 2km
Power Port	Terminal Block
LED indicators	Power, Speed, Link / Act, PoE, Fiber

POE FUNCTION

Standard	IEEE802.3af / at
Pin Assignment	1 / 2(+), 3 / 6(-)
PoE Budget	120W

POWER

Power Supply	48 to 58V DC
Power Consumption	PoE Budget: 120W. Switch Power Consumption: 3W

PHYSICAL PARAMETER

Dimension	115x81x34.5mm
Enclosure	IP40, Aluminum Alloy
Installation	DIN-rail (default); Wall-mounted
Weight	310gm

ENVIRONMENTAL

Working Temperature	-40 to +85°C
Relative Humidity	5% to 95% RH Non-condensing

ORDERING CODE

DDPS 104-1S A

DDPS	Industrial Ethernet Giga Unmanaged PoE Switch
104	4* 10 / 100M 4-RJ45 (PoE)
1S	1* 155M SFP port
A	Fixed

Note: AC / DC Power supply and SFP to be purchased separately

NOTE:

- It is advisable that you use PoE Surge protectors on each port of the Switch.
- The PoE Surge protector has to be installed within 10m distance of the ports.
- It is mandatory that the Switch along with the PoE Surge protectors are very securely earthed.
- Failing which the Switch/Switch ports are likely to be damaged

DATA BRIDGE
D Y N A M I C