

## Product Datasheet

# 6-port Full Gigabit Industrial PoE Switch

(GWS-IPS3064PFG)



## Overview

The GWS-IPS3064PFG is a full gigabit industrial PoE fiber switch. It has 5\*10/100/1000Base-T RJ45 ports and 1\*1000Base-X uplink SFP slot port. Port 1-4 can support IEEE 802.3af/at PoE standard, single-port PoE power up to 30W. As a PoE power supply device, it can automatically detect and recognize the power receiving equipment that meets the standard and supply power through the network cable. It can supply power to PoE terminal device such as wireless AP, IP camera, industrial sensor through the network cable, and meet the network environment that needs high-density PoE power supply. It is suitable for intelligent transportation, rail transit, power industry, mining, petroleum, sea transportation. Industrial scenes such as metallurgy and green energy construction form a cost-effective, stable and reliable communication network.

Unmanaged mode, plug and play, no configuration, easy to use.

## Feature

- **Gigabit Ethernet port access, uplink gigabit dual SFP port**
  - ◇ Uplink gigabit SFP fiber port, easy to achieve high bandwidth and long-distance transmission.
  - ◇ SFP fiber port can cascade, chain, compatible with SFP module connection.
  
- **Intelligent PoE power supply**
  - ◇ 4\*10/100/1000Base-T RJ45 ports, meeting the needs of security monitoring, teleconferencing system, wireless coverage, and other scenarios.
  - ◇ IEEE 802.3af/at PoE standard, without damaging non-PoE devices.
  - ◇ Priority system for PoE port, it will supply power to the high priority level port first when the power budget is insufficient and avoid overwork of the device.
  
- **Stable and reliable**
  - ◇ Low power consumption, No fan low noise design, aluminum shell.
  - ◇ CCC,CE, FCC, RoHS.
  - ◇ The user-friendly panel, it can show the device status through the LED indicator of PWR,Link, PoE.

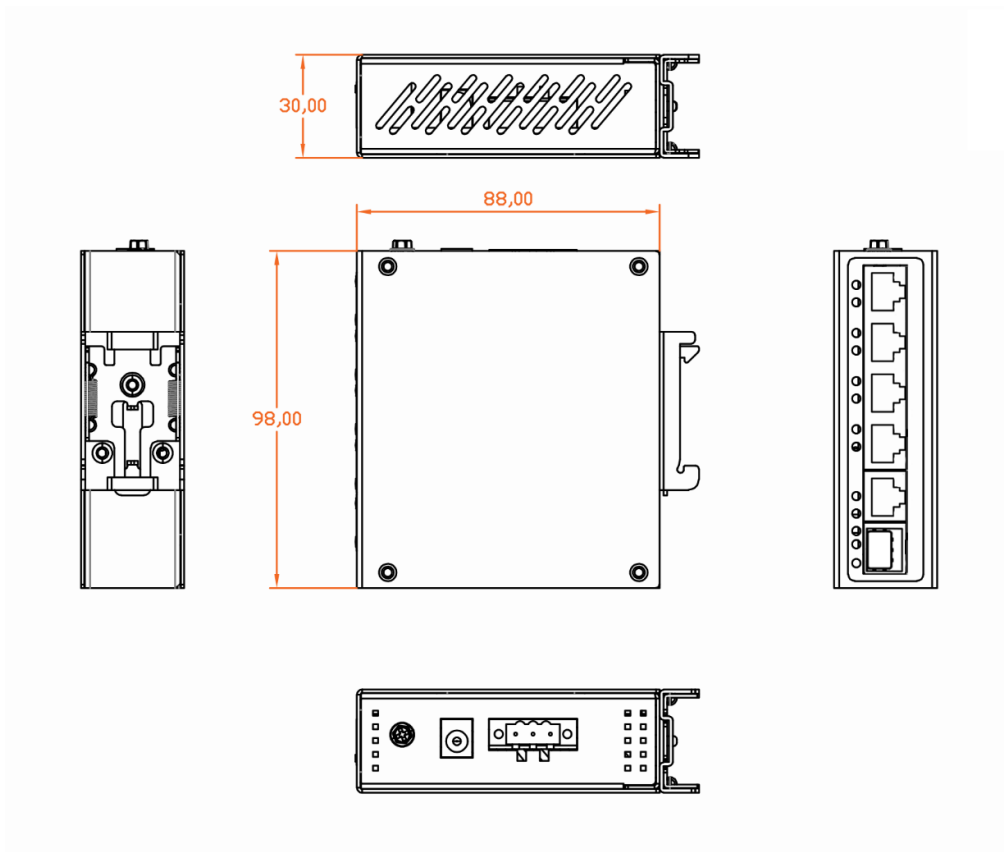
## Technical Specification

| Model                            | GWS-IPS3064PFG                                                                                                                                                                                                            |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Interface Characteristics</b> |                                                                                                                                                                                                                           |
| Fixed Port                       | 4*10/100/1000Base-T PoE ports (Data/Power)<br>1*10/100/1000Base-T uplink RJ45 port (Data)<br>1*1000Base-X uplink SFP fiber slot port (Data)<br>2 sets of V+, V- redundant DC power port (3P Phoenix terminal+DC5521 Jack) |
| Ethernet Port                    | Port 1-5support 10/100/1000Base-T auto-sensing, full/half duplex MDI/MDI-X self-adaption                                                                                                                                  |
| Twisted Pair                     | 10BASE-T: Cat3,4,5 UTP(≤100 meter)                                                                                                                                                                                        |

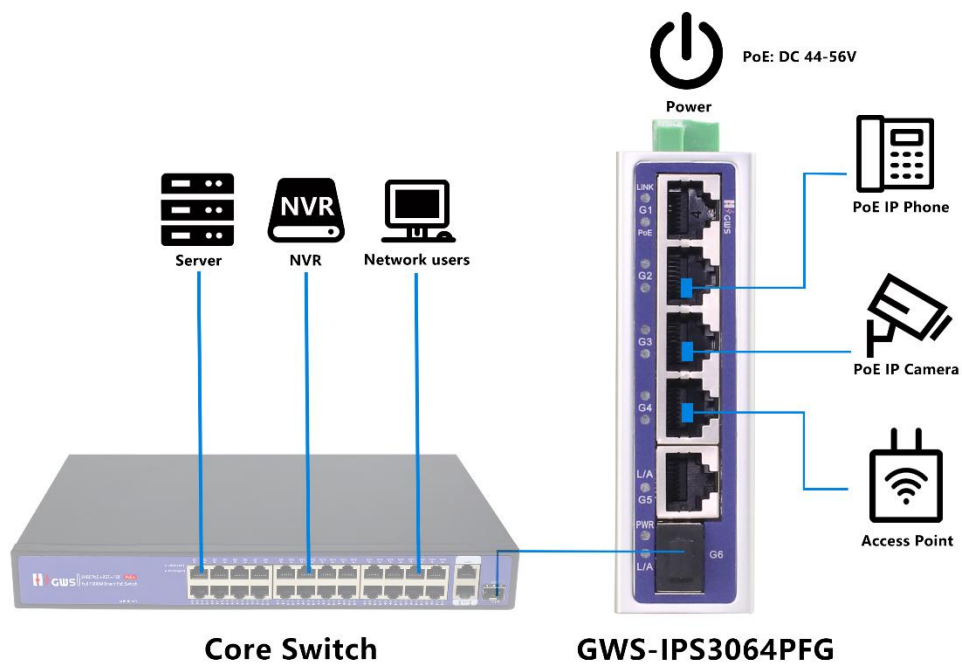
|                               |                                                                                                                                                          |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Transmission                  | 100BASE-TX: Cat5 or later UTP(≤100 meter)<br>1000BASE-T: Cat5e or later UTP(≤100 meter)                                                                  |
| Fiber Port                    | Gigabit SFP optical fiber port, default matching optical modules (optional order single-mode / multi-mode, single fiber / dual fiber optical module. LC) |
| Optical Cable                 | Multimode: 850nm 0 ~ 550M,<br>singlemode: 1310nm 0 ~ 40KM, 1550nm 0 ~ 120KM.                                                                             |
| <b>Chip Parameter</b>         |                                                                                                                                                          |
| Network Protocol              | IEEE802.3 10BASE-T, IEEE802.3i 10Base-T<br>IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-T<br>IEEE802.3z 1000Base-X, IEEE802.3x                            |
| Forwarding Mode               | Store and Forward(Full Wire Speed)                                                                                                                       |
| Switching Capacity            | 12Gbps(Non-blocking)                                                                                                                                     |
| Forwarding Rate@64byte        | 8.93Mpps                                                                                                                                                 |
| MAC                           | 2K                                                                                                                                                       |
| Buffer Memory                 | 2Mb                                                                                                                                                      |
| Jumbo Frame                   | 9.2KB                                                                                                                                                    |
| LED Indicator                 | Power: PWR (green), Network :Link G1-G5 (green); PoE : PoE G1-G4 (green) ,<br>fiber port :L/A G6 (green)                                                 |
| <b>PoE &amp; Power Supply</b> |                                                                                                                                                          |
| PoE Port                      | Port 1 to 4 IEEE 802.3 af/at @POE                                                                                                                        |
| Power Supply Pin              | 1/2 (+), 3/6 (-)                                                                                                                                         |
| Max Power Per Port            | 30W, IEEE802.3af/at                                                                                                                                      |
| Total PWR / Input Voltage     | 60W/44-56VDC                                                                                                                                             |
| Power Consumption             | Standby<4W, Full load: af/at≤120W                                                                                                                        |
| Working Voltage               | DC44-56V, 3P industrial Phoenix terminal+DC5521 Jack, support anti-reverse protection,short circuit protection,overcurrent protection.                   |

|                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Supply                            | Self-purchased, optional 48V/60W or 48V/120W industrial power supply or desktop power supply                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Physical Parameter</b>               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Operation TEMP / Humidity               | -40~+75°C;5%~90% RH Non condensing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Storage TEMP / Humidity                 | -40~+85°C;5%~95% RH Non condensing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Dimension (L*W*H)                       | 98*88*30mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Net /Gross Weight                       | <0.2kg / <0.3kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Installation                            | Desktop, 35mm DIN rail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Certification &amp; Warranty</b>     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Lightning Protection / Protection Level | <p>Lightning protection: 6KV 8/20us;Protection level: IP30</p> <p>IEC61000-4-2(ESD):±8kV contact discharge,±15kV air discharge</p> <p>IEC61000-4-3(RS):10V/m(80~1000MHz)</p> <p>IEC61000-4-4(EFT): power cable:±4kV; data cable:±2kV</p> <p>IEC61000-4-5(Surge):power cable:CM±4kV/DM±2kV; data cable:±4kV</p> <p>IEC61000-4-6(radio frequency transmission):10V(150kHz~80MHz)</p> <p>IEC61000-4-8(power frequency magnetic field):100A/m;1000A/m ,1s to 3s</p> <p>IEC61000-4-9(pulsed magnet field):1000A/m</p> <p>IEC61000-4-10(damped oscillation):30A/m 1MHz</p> <p>IEC61000-4-12/18(shockwave):CM 2.5kV,DM 1kV</p> <p>IEC61000-4-16(common-mode transmission):30V; 300V,1s</p> <p>FCC Part 15/CISPR22(EN55022):Class A</p> <p>IEC61000-6-2(Common Industrial Standard)</p> |
| Mechanical Properties                   | IEC60068-2-6 (anti vibration), IEC60068-2-27 (anti shock), IEC60068-2-32 (free fall)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Certification                           | CCC;CE mark, commercial; CE/LVD EN62368-1;FCC Part 15 Class B;RoHS;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Warranty                                | 5 years , lifelong maintenance.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## Dimension



## Application



## Ordering Information

| Model                                                                               | Description                                                                                                                                                                                               | Power Supply |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| GWS-IPS3064PFG                                                                      | Unmanaged industrial PoE fiber switch with 5*10/100/1000M RJ45 ports and 1*1000M uplink SFP slot port, Port 1-4 can support IEEE802.3af/at PoE. Support DC dual power supply input and DIN rail mounting. | 60W/120W     |
| <b>Note:</b> The power supply is not included, and needs to be purchased separately |                                                                                                                                                                                                           |              |

## Packing List

| PACKING LIST | CONTENT                                         | QTY | UNIT |
|--------------|-------------------------------------------------|-----|------|
|              | 6-port full gigabit industrial PoE fiber switch | 1   | SET  |
|              | User Guide                                      | 1   | PC   |
|              | Warranty Card                                   | 1   | PC   |

## Optical Module Information

| Product                    | Model    | Description                                                                                                                                                      | Unit |
|----------------------------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| 1.25G<br>Optical<br>Module | 2630-G   | Industrial SFP optical module, 1.25G, multi-mode dual fiber 850nm, transmission distance: 550m, LC interface, support DDM function, support hot plug and pull.   | PC   |
|                            | 2632-G   | Industrial SFP optical module, 1.25G, single-mode dual fiber 1310nm, transmission distance: 20km, LC interface, support DDM function, support hot plug and pull. | PC   |
|                            | 2612-T-G | Industrial SFP optical module, 1.25G, single-mode single fiber TX1310nm/RX1550nm, transmission distance: 20km, LC                                                | PC   |

|                 |             |                                                                                                                                                                                     |    |
|-----------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
|                 |             | interface, support DDM function, support hot plug and pull.                                                                                                                         |    |
|                 | 2613-R-G    | Industrial SFP optical module, 1.25G, single-mode single fiber<br>TX1550nm/RX1310nm, transmission distance: 20km, LC<br>interface, support DDM function, support hot plug and pull. | PC |
|                 | 2612-T-G-SC | Industrial SFP optical module, 1.25G, single-mode single fiber<br>TX1310nm/RX1550nm, transmission distance: 20km, SC<br>interface, support DDM function, support hot plug and pull. | PC |
|                 | 2613-R-G-SC | Industrial SFP optical module, 1.25G, single-mode single fiber<br>TX1550nm/RX1310nm, transmission distance: 20km, SC<br>interface, support DDM function, support hot plug and pull. | PC |
| Power<br>Module | 2633        | 1.25G SFP optical module transfers to 10/100/1000M RJ45<br>port.                                                                                                                    | PC |

## Power Supply

| Product                                    | Model    | Description                                                                                                                                                            | Unit |
|--------------------------------------------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| 65W Desktop Power<br>Adaptor               | AP65-52  | Desktop tape 65W single set of output power adapter;<br>Input Voltage:AC 100V~240V 50-60Hz,1.1A<br>Output Voltage:DC 52V 1.25A<br>Operation Temperature:-20°C—+65°C    | PC   |
| 110W Desktop<br>Power Adaptor              | AP110-52 | Desktop tape 110W single set of output power<br>adapter;<br>Input Voltage:AC 100V~240V 50-60Hz,2.0A<br>Output Voltage:DC 52V 2.0A<br>Operation Temperature:-20°C—+65°C | PC   |
| 60W DIN Rail<br>Industrial Power<br>Supply | DP60-48  | Din Rail type 60W single set of output power supply;<br>Input Voltage:AC 100V~240V 50-60Hz,1A<br>Output Voltage:DC 48V 1.25A                                           | PC   |

|                                             |          |                                                                                                                                                                        |    |
|---------------------------------------------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
|                                             |          | Operation Temperature:-40°C—+70°C                                                                                                                                      |    |
| 120W DIN Rail<br>Industrial Power<br>Supply | DP120-48 | Din Rail type 120W single set of output power<br>supply;<br>Input Voltage:AC 100V~240V 50-60Hz,1.5A<br>Output Voltage:DC 48V 2.5A<br>Operation Temperature:-40°C—+70°C | PC |

## Contact Us



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