

## IFS-1816(130)

### 16port 10/100M PSE and 2 combo Gigabit UTP/SFP switch

- PoE
- Support 802.3af/at
- POE+ green Power saving



## Introduction

IFS-1816 (130) series are 16 10/100M port Power over Ethernet which consists of 16 PSE/PoE ports and support 2 combo Gigabit uplink ports. The models compliant to POE IEEE 802.3af, it defines new green power saving idea on PSE Port. That can solve the limitation of the power outlet location and offer the system relocation easily.

## Product Features

- 16 Port PSE/ PoE function, compliant with IEEE-802.3af class3 /class 2 / class 1 and IEEE802.3at
- Supporting the power up 30Watt for each PSE/PoE port
- Providing 16 10/100Mbps switching ports and 2 combo gigabit UPT/SFP open slot
- Complying with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T, IEEE 802.3z 1000Base-SX/LX
- Comply with IEEE 802.3x Flow control; back pressure for Half-duplex and for Full-duplex mode
- All ports support Auto-MDIX function
- Being dedicated 200Mbps Full-duplex bandwidth to the each port
- Broadcast storm control and supporting store & forward operation
- Non-blocking & Non-head-of-line blocking full-wire speed forwarding
- Auto-learning networking configurations
- Built-in 4K MAC learning table, 2.75M bits buffer memory
- Support packet length up to 1536Bytes
- Filtering/Forwarding Rate: 1000Mbps/1,488,000pps; 100Mbps/148,800pps; 10Mbps/14,880pps
- Status LEDs: System Power, Link/Activity, and PoE/PSE on line

- Network Transmission Media: 10Base-T Cat. 3, 4, 5 UTP/STP; 100Base-TX Cat. 5 UTP/STP; 1000BASE-T Cat. 5E UTP/STP.
- Internal Power supply: AC input (90~260V/AC, 50~60Hz) UL Safety
- Operating Temperature: 0 ~ 40°C
- Storing Temperature: -20 ~ 90°C
- Humidity: 10% ~90% RH (Non-condensing)
- Dimension (L x W x H): 440mmX220mmx44mm (1U high)
- Power supply : 130Watt

## Technical Specifications

|                           |   |
|---------------------------|---|
| <b>Standards</b>          | IEEE 802.3 10BaseT<br>IEEE 802.3u 100BaseTX/100BaseFX<br>IEEE 802.3ab 1000Base-T, IEEE 802.3z 1000Base-SX/LX<br>IEEE 802.1x / IEEE 802.3af  |
| <b>Features</b>           | <b>Number of Ports:</b><br>16 10/100BaseT with RJ-45 Connector with 2 combo RJ-45 / SFP<br>16 PSE ports with RJ-45 Connector  |
| <b>Data Transfer Rate</b> | <b>Ethernet:</b><br>10Mbps/Half-Duplex<br>20Mbps/Full-Duplex<br><b>Fast Ethernet:</b><br>100Mbps/Half-Duplex<br>200Mbps/Full-Duplex<br><b>Giga:</b><br>1000Mbps/Half-Duplex<br>2000Mbps/Full-Duplex |
| <b>Transmission Media</b> | 10BaseT Cat. 3, 4, 5 UTP/STP, up to 100 m<br>100BaseTX Cat. 5 UTP/STP, up to 100 m  |
| <b>Led Indicators</b>     | <b>Per Port:</b><br>(TX): Link/Act, PoE<br><b>Per Unit:</b> Power   |
| <b>Power Requirement</b>  | AC input (90~260V/AC, 50~60Hz) UL Safety  |

|                              |                               |
|------------------------------|-------------------------------|
| <b>Power supply</b>          | 130Watt                       |
| <b>Dimensions</b>            | 440 x 220 x 44 mm (L x W x H) |
| <b>Weight</b>                | 3.5 kg                        |
| <b>Operating Temperature</b> | 0 to 40°C                     |
| <b>Storage Temperature</b>   | -20 to 90°C                   |
| <b>Humidity</b>              | 10 to 90% RH (non-condensing) |
| <b>Certifications</b>        | FCC, CE                       |