IPGS-5510A-B

Industrial Unmanaged GbE PoE+ Switch

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Overview

IPGS-5510A-B industrial unmanaged GbE PoE+ switch is a plug-and-play Ethernet switches offering easy way to make the transition to Gigabit Ethernet and increase the speed of your network connection. The energy efficient, built to last, and rigorously tested provide the reliability businesses need, of which make them suitable for industrial Ethernet applications.

IPGS-5510A-B supports DC 12/24V/48~57V power input, and deliver 8 port PoE (10M/100M/1G) RJ45 with 8 PoE+ (Support 802.3 at/af) ports, 2 GbE SFP ports. IPGS-5510A-B offers users with various options of port combinations and PoE+ budget, in order to meet Vehicle PoE and different requirements in various applications.

Key Features

* Slim type industrial switch
* IEEE 802.3af/at Power over Ethernet
* IEEE 802.3az Energy Efficient Ethernet standard for green Ethernet application

Benefits

* Lowing Total Cost of Ownership (TCO) with Energy-efficient Design

The switch is designed to help companies to save power needs and reduce TCO by Energy Efficient Ethernet (IEEE 802.3az). It can be used for customers to build a green Ethernet networking environment.

Specifications

Port Configuration

|  |  |  |  |
| --- | --- | --- | --- |
| Total Ports | RJ45 (10M/100M/1G) | Uplinks (100M/1G) | Console |
| 10 | 8 | 2 SFP | -- |

Hardware Performance

|  |  |  |  |
| --- | --- | --- | --- |
| Forwarding Capacity (Mpps) | Switching Capacity (Gbps) | Mac Table(K) | Jumbo Frames(Bytes) |
| 14.88 | 20 | 4 | 9216 |

Environmental Range

|  |  |  |  |
| --- | --- | --- | --- |
| Operating Temperature | Storage Temperature | Operating Humidity | Altitude |
| Fahrenheit | Centigrade | Fahrenheit | Centigrade | 5% to 95% non-condensing | Feet | Meters |
| -40 to 158 | -40 to 70  | -40 to 185 | -40 to 85 | <10000 | <3000 |

Dimension, Weights, Mounting

|  |  |  |
| --- | --- | --- |
| Dimension (WxHxD) | Weight | Mounting Type |
| Millimeter | Inches | Kilograms | Pounds |
| 44x 135x 130 | 1.7x 5.3x 5.1 | < 1  | <2.2 | DIN rail, Wall |

Voltage and Frequency

|  |
| --- |
| Primary Power Supply - DC Input Voltage |
| DC Operating Voltage | 12/24/48~57V |

PoE Power Capacity

|  |  |
| --- | --- |
| Available PoE Power | Number of Ports That Support PoE(15.4W), PoE+(30.0W) |
| 60W@12VDC  | Each of port 1 - 8 support PoE/ PoE+ within available PoE Power |
| 120W@24VDC  | Each of port 1 - 8 support PoE/ PoE+ within available PoE Power |
| 120W@48~57VDC | Each of port 1 - 8 support PoE/ PoE+ within available PoE Power |

Certifications

|  |
| --- |
| Regulatory Compliance  |
| EMS | EN61000-4-2 ESD, EN61000-4-3 RS, EN61000-4-4 EFT, EN61000-4-5 Surge, EN61000-4-6 CS, EN61000-4-8 PFMF, (EN61000-6-2 by request) |
| EMI | FCC Part 15 Class A (EN61000-3-2, EN61000-3-3, EN61000-6-4, EN55022, EN55011 by request) |
| Safety | CE, (EN60950 by request) |
| Mechanical Stability (by request) |
| Vibration | IEC 60068-2-6 |
| Shock  | IEC 60068-2-27 |
| Freefall  | IEC 60068-2-32 |
| Approvals (by request) |
| Railway Norm | EN50121-4, EN50155  |
| Transportation | NEMA TS2  |
| Substation | IEC61850-3, IEEE1613  |