IGS-5500 and IPGS-5500 Series

Industrial Unmanaged GbE Switches



IGS-5510A

IPGS-5510A

IPGS-5510A-B

IGS-5508

IPGS-5508

IGS-5506A

IPGS-5506A

IGS-5506

IPGS-5506

Overview

The IGS-5500 and IPGS-5500 series industrial unmanaged GbE switches are 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.

The IGS-5500 and IPGS -5500 series consist of 4 non-PoE models which are IGS-5506, IGS-5506A, IGS-5508 and IGS-5510A and 4 PoE+ models which are IPGS-5506, IPGS-5506A, IPGS-5508,IPGS-5510A and IPGS-5510A-B. The series offer users with various options of port combinations and PoE+ budget, in order to meet 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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Model Name | Total Ports | RJ45 (10M/100M/1G) | Uplinks (100M/1G) | Console | Available PoE Power |
| IGS-5506 | 6 | 6 | -- | -- | -- |
| IGS-5506A | 6 | 4 | 2 SFP | -- | -- |
| IGS-5508 | 8 | 8 | -- | -- | -- |
| IGS-5510A | 10 | 8 | 2 SFP | -- | -- |
| IPGS-5506 | 6 | 6 | -- | -- | 120W |
| IPGS-5506A | 6 | 4 | 2 SFP | -- | 120W |
| IPGS-5508 | 8 | 8 | -- | -- | 240W |
| IPGS-5510A | 10 | 8 | 2 SFP | -- | 240W |
| IPGS-5510A-B | 10 | 8 | 2 SFP | -- | 120W |

Hardware Performance

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Model Name | Forwarding Capacity (Mpps) | Switching Capacity (Gbps) | Mac Table(K) | Jumbo Frames(Bytes) |
| IGS-5506 | 8.928 | 12 | 4 | 9216 |
| IGS-5506A | 8.928 | 12 | 4 | 9216 |
| IGS-5508 |  11.9 | 16 | 4 | 9216 |
| IGS-5510A | 14.88 | 20 | 4 | 9216 |
| IPGS-5506 | 8.928 | 12 | 4 | 9216 |
| IPGS-5506A | 8.928 | 12 | 4 | 9216 |
| IPGS-5508 |  11.9 | 16 | 4 | 9216 |
| IPGS-5510A | 14.88 | 20 | 4 | 9216 |
| IPGS-5510A-B | 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 167 | -40 to 75 | -40 to 185 | -40 to 85 | <10000 | <3000  |

Dimension, Weights, Humidity

|  |  |  |  |
| --- | --- | --- | --- |
| Model Name | Dimension (WxHxD) | Weight | Mounting Type |
| Millimeter | Inches | Kilograms | Pounds |
| IGS-5506 | 44x135x130 | 1.7x5.3x5.1 | <1 | <2.2 | DIN rail, Wall |
| IGS-5506A | 44x135x130 | 1.7x5.3x5.1 | <1 | <2.2 | DIN rail, Wall |
| IGS-5508 | 44x135x130 | 1.7x5.3x5.1 | <1 | <2.2 | DIN rail, Wall |
| IGS-5510A | 44x135x130 | 1.7x5.3x5.1 | <1 | <2.2 | DIN rail, Wall |
| IPGS-5506 | 44x135x130 | 1.7x5.3x5.1 | <1 | <2.2 | DIN rail, Wall |
| IPGS-5506A | 44x135x130 | 1.7x5.3x5.1 | <1 | <2.2 | DIN rail, Wall |
| IPGS-5508 | 44x135x130 | 1.7x5.3x5.1 | <1 | <2.2 | DIN rail, Wall |
| IPGS-5510A | 44x135x130 | 1.7x5.3x5.1 | <1 | <2.2 | DIN rail, Wall |
| IPGS-5510A-B | 44x135x130 | 1.7x5.3x5.1 | <1 | <2.2 | DIN rail, Wall |

Voltage and Frequency

|  |
| --- |
| Primary Power Supply - DC Input Voltage |
| DC Nominal | 12/24/48 VDC dual inputs (non-PoE model)48 VDC inputs (PoE model)12/24/48 VDC for PoE mode (by request) |
| DC Operating Range | 12 to 48 VDC (non-PoE model)48 to 57 VDC for PoE function and 51 to 57 VDC for PoE AT mode (PoE model) |

PoE Power Capacity

|  |  |  |
| --- | --- | --- |
| Model Name | Available PoE Power | Number of Ports That Support PoE(15.4W) and PoE+(30.0W) |
| IPGS-5506 | 120W | Each of port 1 - 4 support PoE/ PoE+ within available PoE Power |
| IPGS-5506A | 120W | Each of port 1 - 4 support PoE/ PoE+ within available PoE Power |
| IPGS-5508 | 240W | Each of port 1 - 8 support PoE/ PoE+ within available PoE Power |
| IPGS-5510A | 240W | Each of port 1 - 8 support PoE/ PoE+ within available PoE Power |
| IPGS-5510A-B | 120W | 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, EN61000-4-6 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  |