EDIMAX
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Industrial 2.5 Gigabit 802.3at 30W PoE+ Injector

IGP-201IT

FEATURES

- Complies with IEEE 802.3at Power over Ethernet (PoE+) Standards
- 2.5 Gigabit LAN ports provide 2.5Gbps wired-speed connectivity by using existing CAT5e cables.
- Supplies PoE output 32W to ensure Powered Device (PD) is able to be powered up to 30W
- Power redundancy by providing Dual-DC power inputs to ensure stable and reliable network service
- Operating Temperature: -40~75 ℃
- Passed IP50 Ingress Protection tests offer protection against limited dust ingress
- Industrial-Grade Certified: Shock (EN 60068-2-27), Freefall (EN 60068-2-32), and Vibration (EN 60068-2-6)
- Flexibility for whether DIN-rail mount or wall-mount deployment

OVERVIEW

The Edimax IGP-201IT is an industrial PoE injector that not only delivers a cost-effective solution for power distribution, but also provides a seamless way of deployment on the existing LAN infrastructure. Power redundancy by providing Dual-DC power inputs to ensure stable and reliable network service

With the use of power injectors, DC power of up to 30W based on the IEEE 802.3at standard and the data that comes from a non-PoE switch or router are merged together and then transmitted to the remote IEEE 802.3af/at compliant products located without power outlet through the Ethernet cabling. Hence, the easy plug-and-play IGP-201IT 2.5 Gigabit PoE+ injector preserves your investment in hardware upgrade without the need to purchase extra PoE switches and deploy power cables.

IEEE 802.3af/at Power over Ethernet Standard

Because of adding the capability of IEEE 802.3af/at Power over Ethernet (PoE) to a non-PoE Ethernet switch or router, the IGP-201IT can directly be connected to any IEEE 802.3af/at end-nodes such as IP cameras, Wi-Fi AP, Video Voice over IP (VoIP) telephones, multi-channel wireless LAN access points, information kiosk, POS system, and thin client where the IEEE 802.3af/at in-line PoE port is supported.

Certified Ruggedized Design

The Equipped with anti-dust IP50-rated metal case, IGP-201IT is designed and certified to withstand a high degree of vibration, shock, free-fall protection and against ESD/EMI surge for harsh environments. Industrial-grade certifications are including EN 61000-6-2 and 61000-6-4(EMC), IEC 61000-4-2 (ESD), IEC61000-4-3 (RS), IEC 61000-4-4 (EFT), IEC 61000-4-5 (Surge), IEC 61000-4-6 (CS), IEC61000-4-8 (Magnetic Field), EN 60068-2-27(Shock), Freefall (EN 60068-2-32), and EN 60068-2-6(Vibration)

Flexible & Reliable Power Supply

Offering the optional solution for PoE enable devices, the IGP-201IT is the perfect addition to existing non-PoE network infrastructures or retrofit projects. Featuring PoE short circuit protection and over circuit protection to safeguard network devices and protect against damage. Supplying the PoE power of up to 30 watts through the four pairs of standard Cat. 5e/Cat. 6 Ethernet cabling.

SPECIFICATIONS

HARDWARE	
Ports	• 1 x RJ-45 2.5G Base-T data input port • 1 x RJ-45 2.5G Base-T data/PoE+ output port
LED Indicators	PWR: System DC Power PoE: PoE Power Supply Status
Power Input	4-Pin Terminal block DC 48~57V , 1A
Power Output	32W (Max.)
Mounting	DIN-rail mount/ Wall-mount
Housing	Metal
Fan	Fanless
Dimensions	61(H) x 58(D) x 26(W) mm
Weight	126g (DIN-rail Mounting Kit Included)
POWER OVER ETHERNET	
Standard	IEEE 802.3af (PoE) IEEE 802.3at (PoE+)
Power Budget	30 Watts
Pin Assignment	Pins 3, 6, 4, 5 (+), Pins 1, 2, 7,8 (-) Output Power Voltage: DC 54V
Short Circuit Protection	Yes
Over Circuit Protection	Yes
PoE PD Auto Detection	Yes
OTHERS	
Standard	• IEEE 802.3 10Base-T Ethernet • IEEE 802.3u 100Base-TX Fast Ethernet • IEEE 802.3ab 1000Base-T Gigabit Ethernet • IEEE 802.3an 2.5GBase-T Gigabit Etherent • IEEE 802.3af Power over Ethernet (PoE) • IEEE 802.3at Power over Ethernet Plus (PoE+)
Environmental Condition	• Operating Temperature: -40~75 °C • Storage Temperature: -40~85°C • Operating Humidity: 10~90% (NonCondensing) • Storage Humidity: 5~90% (NonCondensing)
Certification	Emission (EMI/EMS): CE/FCC class A EN61000-4-2(ESD); EN61000-4-3(RS); EN61000-4-4(FET); EN61000-4-5(Surge) EN61000-4-6(CS); EN61000-4-8(MagneticField)
	EMC: EN61000-6-2 EN61000-6-4
	Safety: EN IEC 62368-1:2020+A11:2020
	Shock: IEC60068-2-27
	Freefall: IEC60068-2-31
	Vibration: IEC60068-2-6