

IGS-5208/ IGS-5408P/ IGS-5416P

Quick Installation Guide

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Edimax Technology Co., Ltd.

No. 278, Xinhua 1st Rd., Neihu Dist., Taipei City, Taiwan

Email: support@edimax.com.tw

Edimax Technology Europe B.V.

Fijenhof 2, 5652 AE Eindhoven, The Netherlands

Email: support@edimax.nl

Edimax Computer Company

3444 De La Cruz Blvd., Santa Clara, CA 95054, USA

Live Tech Support: 1(800) 652-6776

Email: support@edimax.com

Product Information

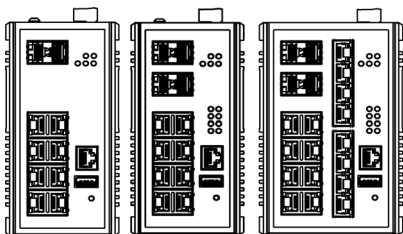
I-1. Overview

The Edimax Pro IGS-5208, IGS-5408P and IGS-5416P industrial Gigabit web managed switch come with 8 PoE+ ports (IGS-5408P and IGS-5416P only) and 2 or 4 SFP slots for high-speed Gigabit, long-range copper or optical connections and for enduring, reliable, flexible industrial network deployment. Supporting the redundancy of network and power, IGS series industrial switch protects the system with uninterrupted data transmission and damage to ensure the network connection reliability.

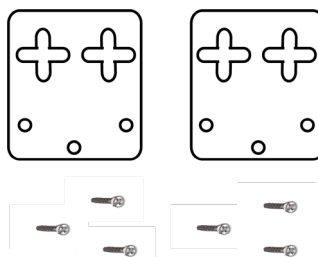
Dedicated ruggedized IP30-rated housing with compact aluminum alloy case to use in the harsh environment with -40~75°C to endure wide temperature & surges range, IEC certified vibrations, shock and free fall, industrial-grade EMC/EMS tests. It is the ideal solution for industries networks such as automotive, factory automation, oil and gas, mining, military, transportation, substation, energy and outdoor applications of railways, roads, tunnels, smart cities, city surveillance and traffic monitoring.

With smart and secure features in SNMP v1/v2c/v3, PoE PD Alive Check (IGS-5408P and IGS-5416P only), IGMP Snooping v1/v2/v3, DHCP Snooping, QoS, CoS, STP, 802.1Q VLAN, Link Aggregation Control Protocol (LACP), Rate Control, IPv4/IPv6, Port Trunk, Mirror and etc., the IGS-5416P web managed switch that makes managing your network easy and provides a cost effective, reliable, scalable and secure switch solution for small to medium industrial networks.

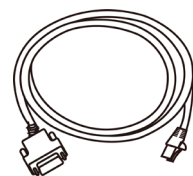
I-2. Package Contents



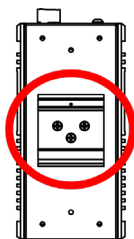
1
IGS-5208 or IGS-5408P or
IGS-5416P Switch



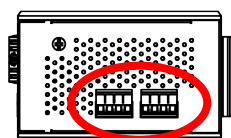
2
Wall-Mount Kit



3
Console Cable



4
DIN-Rail Kit



5
DC Power Terminal Block x 2

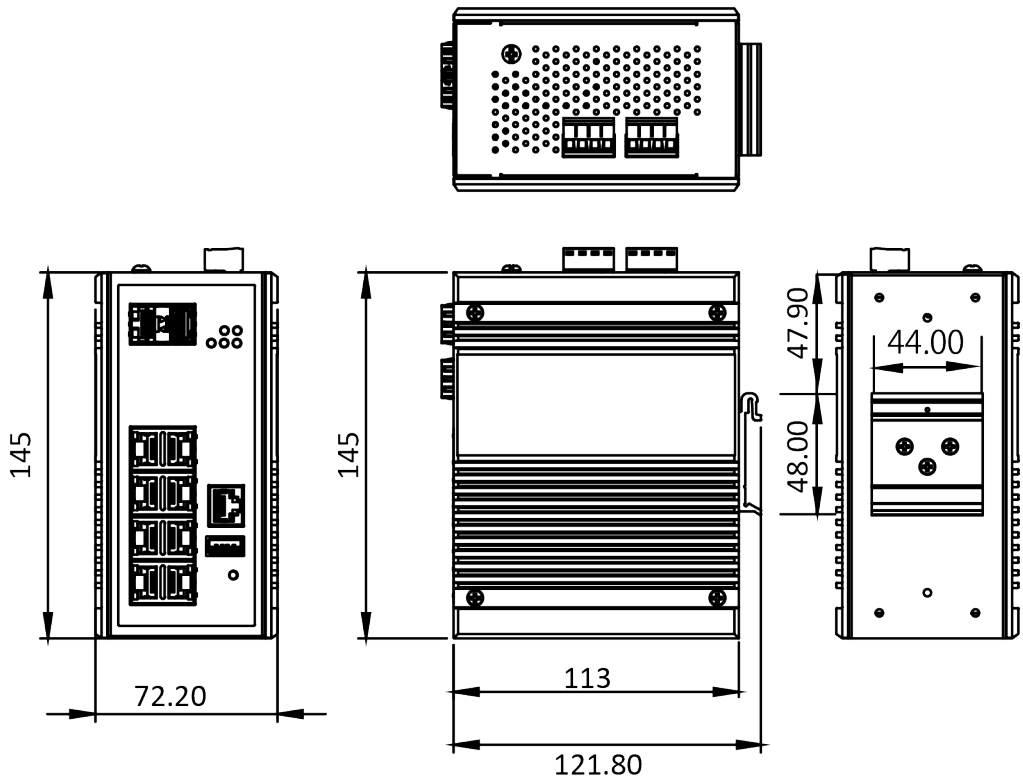


6
Quick Installation Guide

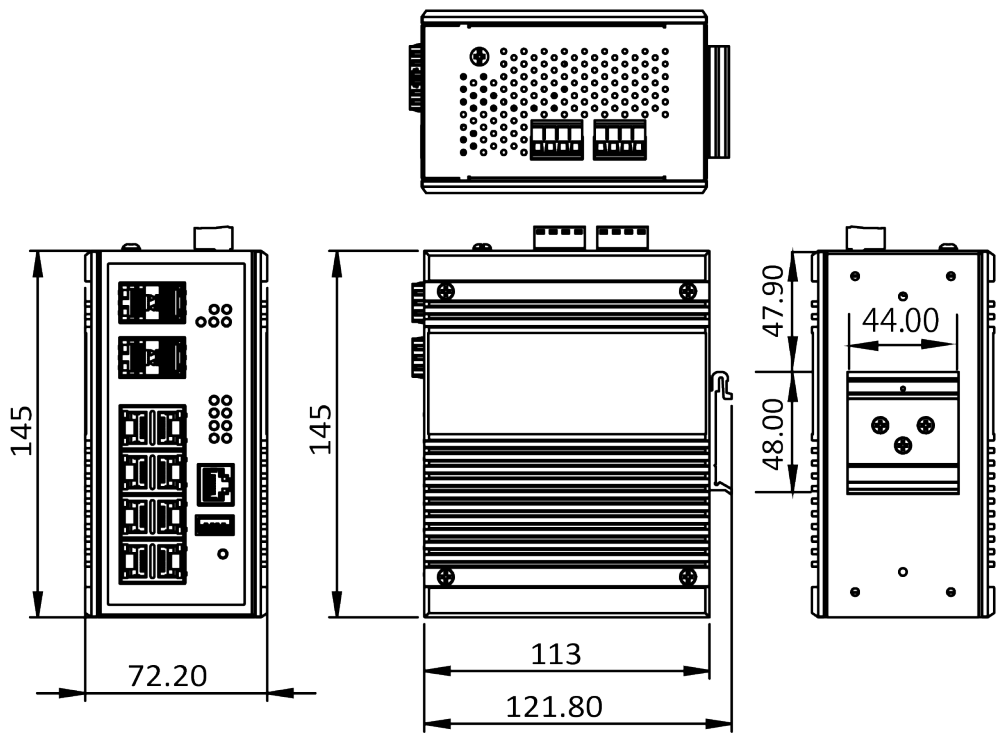
I-3. Hardware Overview

1. Dimension

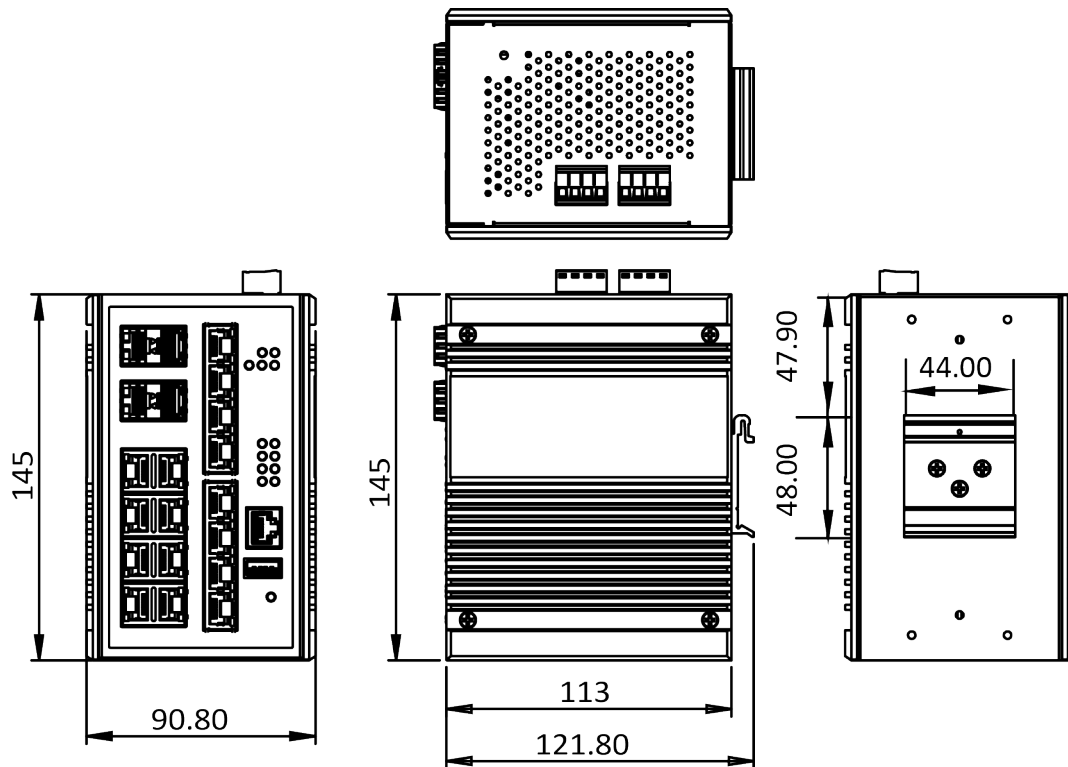
IGS-5208: 145 mm (H) x 72.20 mm (W) x 113 mm (D)



IGS-5408P: 145 mm (H) x 72.20 mm (W) x 113 mm (D)



IGS-5416P: 145 mm (H) x 90.80 mm (W) x 113 mm (D)

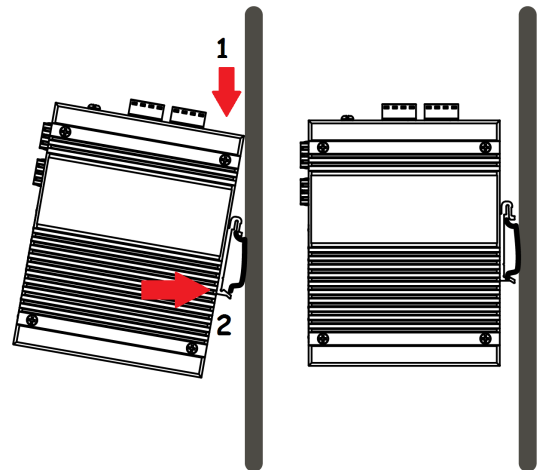


2. DIN-Rail mount

The DIN-Rail clip is already attached on the rear side of the switch supports EN 50022 standard DIN Rail, in the following diagram includes the dimension of EN 50022 DIN Rail.

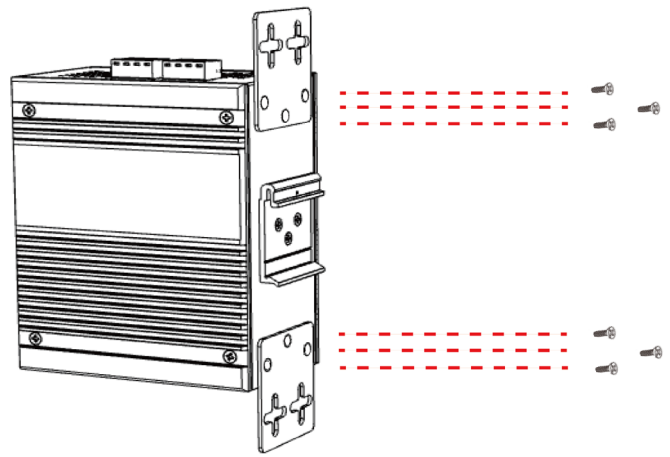
Follow the steps below to mount the switch on the DIN-Rail track.

1. Insert the upper end of the DIN-Rail clip into the back of the DIN-Rail track from its upper side
2. Lightly push the bottom of the DIN-Rail clip into the track.
3. Check if the DIN-Rail clip is tightly attached to the track.
4. To remove the switch from the track, reverse the steps above.



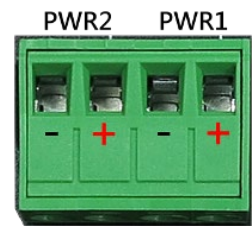
3. Wall mount

Screw the wall-mount brackets with screws in the accessory kit



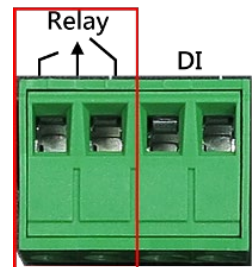
4. Wiring Power Inputs

1. Insert the positive and negative wires into the PWR1 (+,-) and PWR2 (+,-) on the 4-contact terminal block connector.
2. Tighten the screws to prevent the wires from loosening.



5. Wiring Fault Alarm

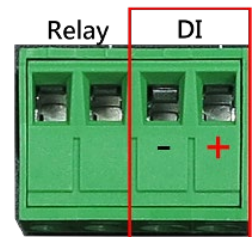
1. Insert the wires into the left two contacts of the 4-contact terminal block (Fault Alarm Relay).
2. Tighten the screws to prevent the wires from loosening.
3. The relay will detect the power and link failure.
4. Users can connect the relay to an alarm and buzzer so that when the relay forms an open circuit, the users will be notified.



6. Wiring Digital Inputs

Insert the positive and negative wires into the right two contacts (+,-) of the 4-contact terminal block (DI).

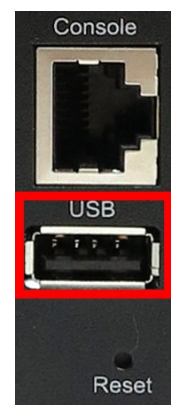
1. Tighten the screws to prevent the wires from loosening.
2. The system will detect the voltage go through the DI.
 - +13 to +30V for state "1"
 - -30 to +3V for state "0"
 - Max. input current: 8mA



7. USB Port

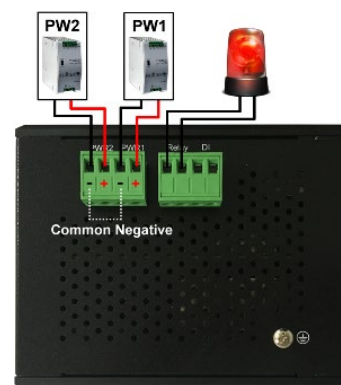
A USB port is available on the switch that is located between the Console port and Reset button. This USB port provides the following features:

- Backup/Restore Configurations
- Auto-Load configuration from USB
- Auto-Backup configuration to USB
- Save system logs to USB



8. Double-Secure Power Input Fault Alarm

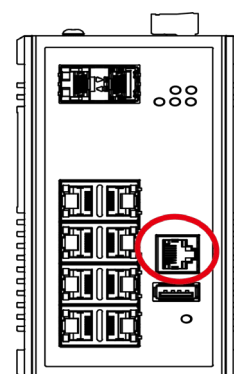
The power inputs are designed as a "common negative", which implies that the negative input is connected, but "double-secure" is supported to prevent the un-notified failure of power from one of the negative inputs. If one of the negative power input fails, the system will detect it and the system will trigger the event if the users set the fault alarm or event log for powers.



9. Console Connection

The Console port is for local management by using a terminal emulator or a computer with terminal emulation software.

- DB9 connector connect to computer COM port
- Baud rate: 115200bps
- 8 data bits, 1 stop bit
- None Priority
- None flow control



I-4. LED indicators:

IGS-5208, IGS-5408P, IGS-5416P

LED	Color	Status	Description
PWR1	Green	On	Power is supplied on the power input 1.
		Off	Power is not supplied on the power input 1.
PWR2	Green	On	Power is supplied on the power input 2.
		Off	Power is not supplied on the power input 2.
Fault	Green	On	The system boots up and in normal operation.
		Off	The system is powered off or during booting.
	Red	On	The configured event of failure is triggered.
RM	Green	On	This device has the Ring Master.
		Off	The Ring Master is not on the device.
Ring	Green	On	The Ring protocol is enabled and works normally.
		Flickering	The Ring protocol is enabled, but works abnormally.
		Off	The Ring protocol is disabled.

IGS-5208

LED	Color	Status	Description
SFP Slot P9 to P10 (1000M)	Green	On	The 1000Mbps link of the fiber port is active.
		Flickering	Data is transmitted on the fiber port at 1000Mbps.
		Off	The 1000Mbps link of the fiber port is inactive.
LAN Port P1 to P8 (1000M)	Green	On	The 1000Mbps link of the port is active.
		Flickering	Data is transmitted on the port at 1000Mbps.
		Off	The 1000Mbps link of the port is inactive.
LAN Port P1 to P8 (10/100M)	Green	On	The 10/100Mbps link of the port is active.
		Flickering	Data is transmitted on the port at 10/100Mbps.
		Off	The 10/100Mbps link of the port is inactive.

IGS-5408P

LED	Color	Status	Description
SFP Slot P9 to P12 (1000M)	Green	On	The 1000Mbps link of the fiber port is active.
		Flickering	Data is transmitted on the fiber port at 1000Mbps.
		Off	The 1000Mbps link of the fiber port is inactive.
LAN Port P1 to P8 (1000M)	Green	On	The 1000Mbps link of the port is active.
		Flickering	Data is transmitted on the port at 1000Mbps.
		Off	The 1000Mbps link of the port is inactive.
LAN Port P1 to P8 (10/100M)	Green	On	The 10/100Mbps link of the port is active.
		Flickering	Data is transmitted on the port at 10/100Mbps.
		Off	The 10/100Mbps link of the port is inactive.
PoE+ P1 to P8	Amber	On	An IEEE 802.3at/af powered device is connected.
		Off	No IEEE 802.3at/af powered device is connected.

IGS-5416P

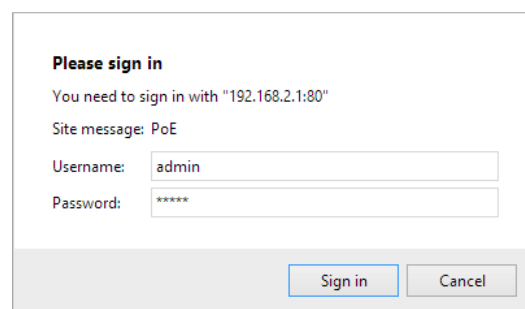
LED	Color	Status	Description
SFP Slot P17 to P20 (1000M)	Green	On	The 1000Mbps link of the fiber port is active.
		Flickering	Data is transmitted on the fiber port at 1000Mbps.
		Off	The 1000Mbps link of the fiber port is inactive.
LAN Port P1 to P16 (1000M)	Green	On	The 1000Mbps link of the port is active.
		Flickering	Data is transmitted on the port at 1000Mbps.
		Off	The 1000Mbps link of the port is inactive.
LAN Port P1 to P16 (10/100M)	Green	On	The 10/100Mbps link of the port is active.
		Flickering	Data is transmitted on the port at 10/100Mbps.
		Off	The 10/100Mbps link of the port is inactive.
PoE+ P1 to P8	Amber	On	An IEEE 802.3at/af powered device is connected.
		Off	No IEEE 802.3at/af powered device is connected.

I-5. Login

To login to the web management interface and configure the switch's settings, connect a computer to the switch using an Ethernet cable. Open a web browser and go to the switch's IP address. The default IP address is **192.168.2.1**. Your computer's IP address must be in the same subnet as the switch. For the default IP address this is any IP address in the range **192.168.2.x (x = 2 – 254)**. You can modify the IP address of your computer if you need.

Default IP address	192.168.2.1
Default user name	admin
Default password	1234

1. Enter the switch's IP address (192.168.2.1) in the URL bar of a web browser. IE 7 or above is recommended.
2. At the following screen login with the default username "**admin**" and password "**1234**".



The image shows a login screen with the following elements:

- Please sign in**
- You need to sign in with "192.168.2.1:80"
- Site message: PoE
- Username:
- Password:
- Buttons: and

For more information, please refer to the User Manual.

<https://www.edimax.com/edimax/download/download/data/edimax/global/download/>

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Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio technician for help.

FCC Caution

This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications not expressly approved by the party responsible for compliance could void the authority to operate equipment.

Federal Communications Commission (FCC) Radiation Exposure Statement

This equipment complies with FCC radiation exposure set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 2.5cm (1 inch) during normal operation.

Federal Communications Commission (FCC) RF Exposure Requirements

This EUT is compliance with SAR for general population/uncontrolled exposure limits in ANSI/IEEE C95.1-1999 and had been tested in accordance with the measurement methods and procedures specified in OET Bulletin 65 Supplement C. The equipment version marketed in US is restricted to usage of the channels 1-11 only. This equipment is restricted to **indoor** use when operated in the 5.15 to 5.25 GHz frequency range.

R&TTE Compliance Statement

This equipment complies with all the requirements of DIRECTIVE 2014/30/EU OF THE EUROPEAN PARLIAMENT AND THE COUNCIL of March 9, 1999 on radio equipment and telecommunication terminal equipment and the mutual recognition of their conformity (R&TTE). The R&TTE Directive repeals and replaces in the directive 98/13/EEC (Telecommunications Terminal Equipment and Satellite Earth Station Equipment) As of April 8, 2000.

Safety

This equipment is designed with the utmost care for the safety of those who install and use it. However, special attention must be paid to the dangers of electric shock and static electricity when working with electrical equipment. All guidelines of this and of the computer manufacture must therefore be allowed at all times to ensure the safe use of the equipment.

EU Countries Intended for Use

The ETSI version of this device is intended for home and office use in Austria, Belgium, Bulgaria, Cyprus, Czech, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Turkey, and United Kingdom. The ETSI version of this device is also authorized for use in EFTA member states: Iceland, Liechtenstein, Norway, and Switzerland.

EU Countries Not Intended for Use

None

EU Declaration of Conformity

- English:** This equipment is in compliance with the essential requirements and other relevant provisions of Directive 2014/30/EU.
- Français:** Cet équipement est conforme aux exigences essentielles et autres dispositions de la directive 2014/30/EU.
- Čeština:** Toto zařízení je v souladu se základními požadavky a ostatními příslušnými ustanoveními směrnic 2014/30/EU.
- Polski:** Urządzenie jest zgodne z ogólnymi wymaganiami oraz szczególnymi warunkami określonymi Dyrektywą UE 2014/30/EU.
- Română:** Acest echipament este în conformitate cu cerințele esențiale și alte prevederi relevante ale Directivei 2014/30/EU.
- Русский:** Это оборудование соответствует основным требованиям и положениям Директивы 2014/30/EU.
- Magyar:** Ez a berendezés megfelel az alapvető követelményeknek és más vonatkozó irányelveknek (2014/30/EU).
- Türkçe:** Bu cihaz 2014/30/EU. direktifleri zorunlu istekler ve diğer hükümlerle ile uyumludur.
- Українська:** Обладнання відповідає вимогам і умовам директиви 2014/30/EU.
- Slovenčina:** Toto zariadenie spĺňa základné požiadavky a ďalšie príslušné ustanovenia smerníc 2014/30/EU.
- Deutsch:** Dieses Gerät erfüllt die Voraussetzungen gemäß den Richtlinien 2014/30/EU.
- Español:** El presente equipo cumple los requisitos esenciales de la Directiva 2014/30/EU.
- Italiano:** Questo apparecchio è conforme ai requisiti essenziali e alle altre disposizioni applicabili della Direttiva 2014/30/EU.
- Nederlands:** Dit apparaat voldoet aan de essentiële eisen en andere van toepassing zijnde bepalingen van richtlijn 2014/30/EU.
- Português:** Este equipamento cumpre os requisitos essenciais da Directiva 2014/30/EU.
- Norsk:** Dette utstyret er i samsvar med de viktigste kravene og andre relevante regler i Direktiv 2014/30/EU.
- Svenska:** Denna utrustning är i överensstämmelse med de väsentliga kraven och övriga relevanta bestämmelser i direktiv 2014/30/EU.
- Dansk:** Dette udstyr er i overensstemmelse med de væsentligste krav og andre relevante forordninger i direktiv 2014/30/EU.
- suomen kieli:** Tämä laite täyttää direktiivien 2014/30/EU. oleelliset vaatimukset ja muut asiaankuuluvat määräykset.

FOR USE IN

AT	BE	CY	CZ	DK	EE	FI	FR	DE	GR	HU		
IE	IT	LV	LT	LU	MT	NL	PL	PT	SK	SI	ES	SE
GB	IS	LI	NO	CH	BG	RO	RU	TR	UA			



WEEE Directive & Product Disposal



At the end of its serviceable life, this product should not be treated as household or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronic equipment, or returned to the supplier for disposal.

Declaration of Conformity

We, Edimax Technology Co., Ltd., declare under our sole responsibility, that the equipment described below complies with the requirements of the European R&TTE directives.

Equipment: Industrial Ethernet Switch

Model No.: IGS-5208/IGS-5408P/IGS-5416P

The following European standards for essential requirements have been followed:

Directives 2014/30/EU

EMC : EN 55032:2012 / AC: 2013

CISPR 32: 2012

EN 61000-3-2:2014

EN 61000-3-3:2013

EN 55024:2010 + A1: 2015

Edimax Technology Europe B.V.

Fijenhof 2,

5652 AE Eindhoven,

The Netherlands

Signature:

Printed Name:

Title:

David Huang

Director

Edimax Technology Europe B.V.

a company of :

Edimax Technology Co., Ltd.

No. 278, Xinhua 1st Rd.,

Neihu Dist., Taipei City,

Taiwan



Date of Signature: Jan., 2019

Signature:

A handwritten signature in black ink, appearing to read 'Albert Chang', written over a horizontal line.

Printed Name: Albert Chang

Title:

Director

Edimax Technology Co., Ltd.

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