

**Industrial 1-/2-Port 10/100/1000T +
1-/2-Port 100/1000/2500X SFP
Managed Media Converter**

IGT-900-Series
Quick Installation Guide

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1. Package Contents

Thank you for purchasing PLANET Industrial Managed Media Converter, IGT-900-Series. The models are as follows:

Model \ Port	RJ45 Ports	SFP Ports
IGT-900-1T1S	1	1
IGT-900-2T2S	2	2

“**Media Converter**” mentioned in this Quick Installation Guide refers to the above two models.

Open the box of the **Media Converter** and carefully unpack it. The box should contain the following items for each of the two models:

Package Contents \ Model	IGT-900-1T1S	IGT-900-2T2S
Quick Installation Guide	■	■
DIN-rail Kit	■	■
Wall Mounting Kit	■	■
RJ45 Dust Cap	1	2
SFP Dust Cap	1	2

If any of these are missing or damaged, please contact your dealer immediately. If possible, retain the carton including the original packing materials to enable you to repack the product in case there is a need to return it to us for repair.

2. Requirements

The **Media Converter** provides remote login interface for management purposes. The following equipment is necessary for further management:

- Workstations running Windows XP/2003/Vista/7/8/2008/10, MAC OS X or later, Linux, UNIX, or other platforms are compatible with TCP/IP Protocols.
- Workstations are installed with Ethernet NIC (Network Interface Card)
- Ethernet Port Connection
 - Network cables -- Use standard network (UTP) cables with RJ45 connectors.
 - The above PC is installed with Web browser.



Note

It is recommended to use Internet Explorer 11.0 or above to access the Industrial Managed Media Converter.

3. Wiring the Power Inputs

The Upper Panel of the **Media Converter** comes with one 6-contact terminal block. Please follow the steps below to insert the power wire.

1. Insert positive/negative DC power wires into Contacts 1 and 2 for Power 1, or Contacts 5 and 6 for Power 2.

■ **IGT-900-1T1S** and **IGT-900-2T2S**: DC 9-48V, AC 24V

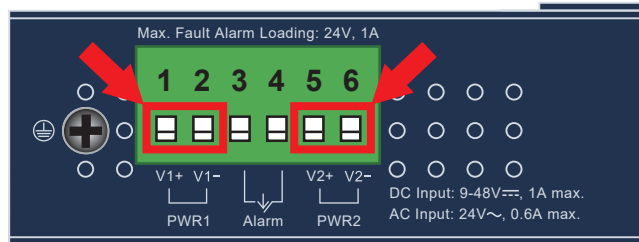
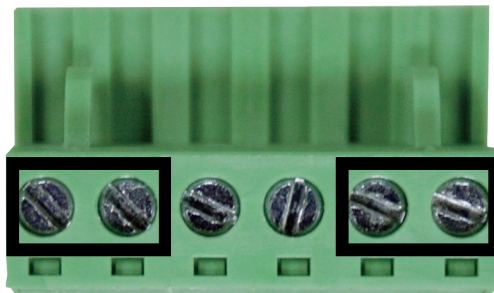


Figure 3-1: IGT-900-1T1S/IGT-900-2T2S Upper Panel

2. Tighten the wire-clamp screws for preventing the wires from loosening.



1	2	3	4	5	6
V+	V-			V+	V-
Power 1				Power 2	

	Positive (+) Pin	Negative (-) Pin
IGT-900-Series	Pin 1/5	Pin 2/6



PWR1 and PWR2 must provide the **same DC voltage** while operating with dual power input.

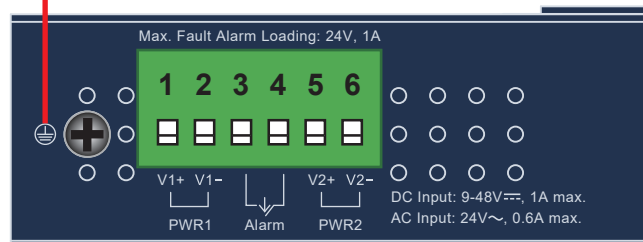


1. The wire gauge for the terminal block should be in the range from **12 to 24 AWG**.
2. Please check the wire AWG Ampere specification before connecting Media Converter.

3.1 Grounding the Device

Users **MUST** complete grounding wired with the device; otherwise, a sudden lightning could cause fatal damage to the device.

⏏ Earth Ground



4. Starting Web Management

The following shows how to start up the **Web Management** of the **Media Converter**. Note the Media Converter is configured through an Ethernet connection. Please make sure the manager PC must be set to the same **IP subnet address**.

For example, the default IP address of the Media Converter is **192.168.0.100**, then the manager PC should be set to **192.168.0.x** (where x is a number between 1 and 254, except 100), and the default subnet mask is 255.255.255.0.

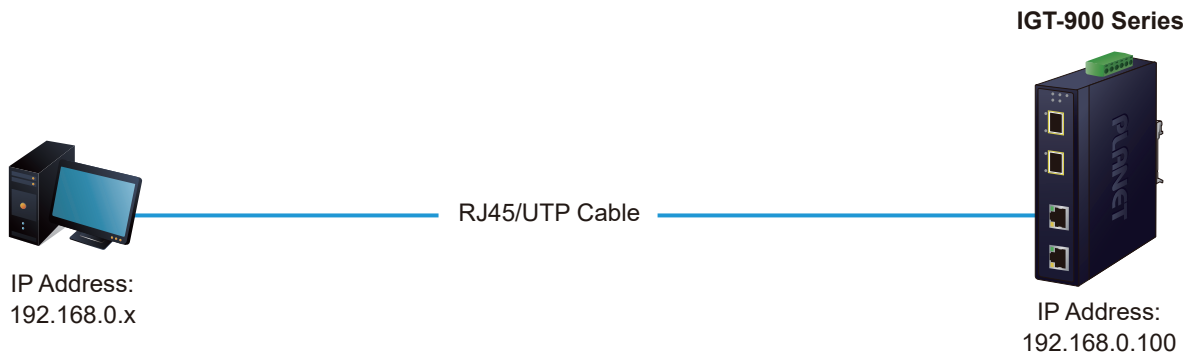
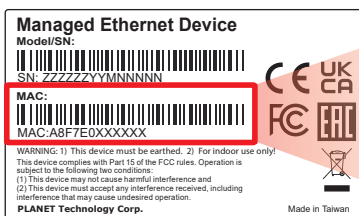


Figure 4-1: IP Management Diagram

4.1 Logging in to the Media Converter

1. Use a modern Web browser to enter the default IP address **https://192.168.0.100** to access the Web interface.
2. Before starting the login process, it is important to determine the initial password from the device label. The default password format is "mc" followed by the last six characters of the MAC ID, as indicated on the label. These characters should be entered in lowercase.

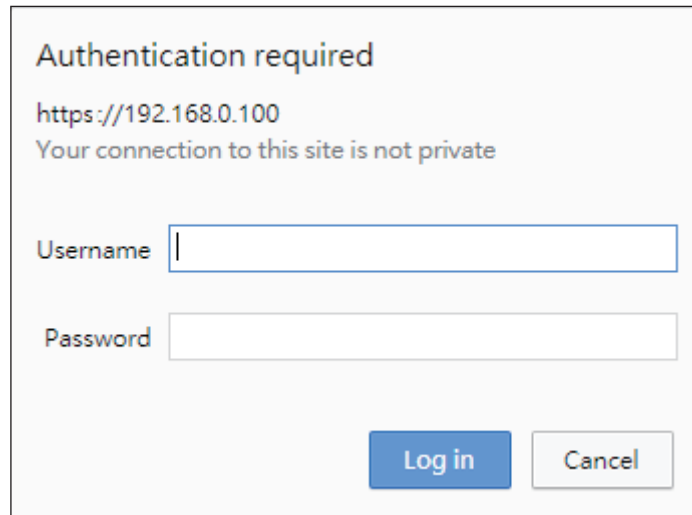


MAC ID: A8F7E0XXXXXX
Default Password: mcXXXXXX
("x" means the last 6 digits of the MAC address.
All characters should be in lowercase.)

- When the dialog box in Figure 4-2 appears, enter the default username and password.

Default: **admin**

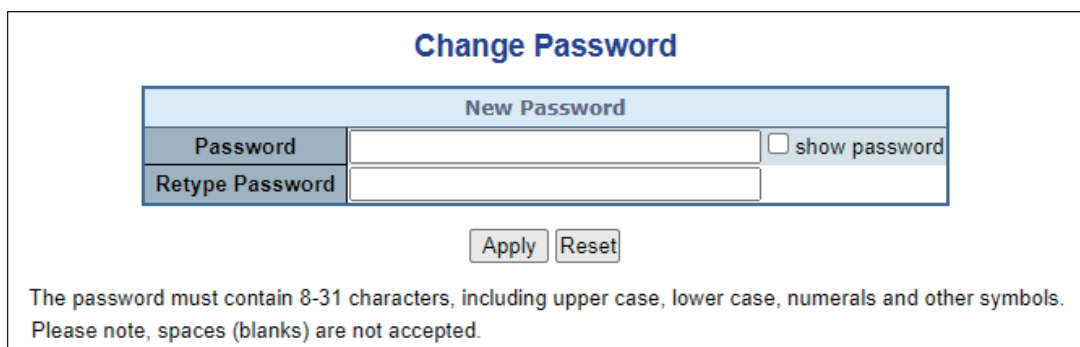
Password: **mc + the last 6 characters of the MAC ID in lowercase**



The dialog box titled "Authentication required" displays the URL "https://192.168.0.100" and a warning: "Your connection to this site is not private". It contains two input fields: "Username" and "Password". At the bottom, there are two buttons: "Log in" (highlighted in blue) and "Cancel".

Figure 4-2: Login Screen

- After entering the username and password, you will be prompted to change the initial password to a new, permanent one. Please adhere to the guidelines provided for creating a secure password.



The "Change Password" form features a header "Change Password" in blue. Below it is a section titled "New Password" containing two input fields: "Password" and "Retype Password". A checkbox labeled "show password" is positioned to the right of the "Password" field. Below the input fields are two buttons: "Apply" and "Reset". At the bottom, a note states: "The password must contain 8-31 characters, including upper case, lower case, numerals and other symbols. Please note, spaces (blanks) are not accepted."

Figure 4-3: Create a New Password

5. Upon successful password update, re-access the web interface using your new credentials. You will then see the main screen as illustrated in Figure 4-4.

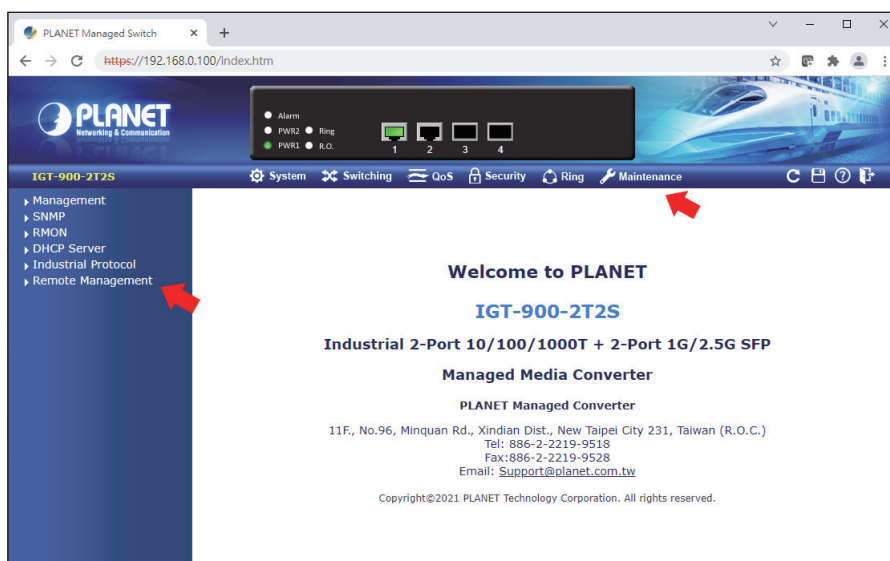


Figure 4-4: Web Main Screen of Industrial Managed Media Converter

The Industrial Managed Media Converter Menu on the top and left of the Web page lets you access all the functions and status the Industrial Managed Media Converter provides. The Menu always contains one or more buttons, such as **“System”**, **“Switching”**, **“QoS”**, **“Security”**, **“Ring”** and **“Maintenance”**.




Figure 4-5: Menu



Now, you can use the Web management interface to continue the Media Converter management. Please refer to the user manual for more.



Note

If you are not familiar with Switching functions or the related parameter, press the "Help icon"  anytime on the Web page to get the help description.

4.2 Saving Configuration via Web

To save all applied changes and set the current configuration as a startup configuration, the startup-configuration file will be loaded automatically across a system reboot.

1. Click the **Save** icon on the top Menu bar.

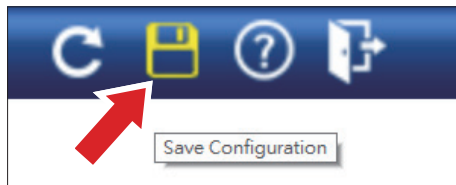
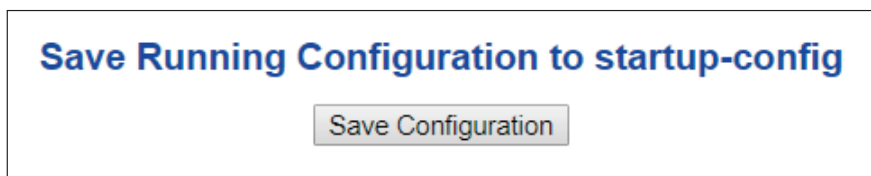


Figure 4-6: Save Config -- Hot Key

2. Press the "**Save Configuration**" button.



3. Or the other way to save the setting is to Click **Maintenance, Save Startup Config**.

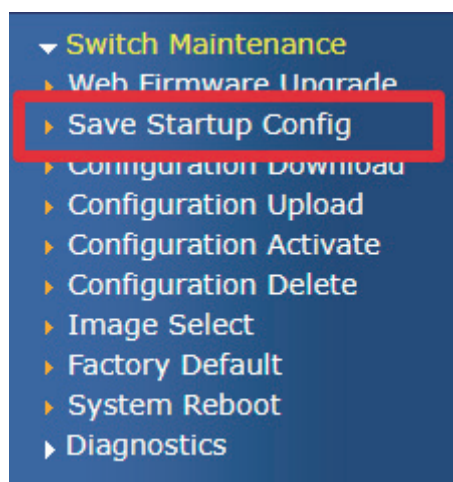


Figure 4-7: Save Config -- Maintenance

5. Recovering Back to Default Configuration

To reset the IP address to the default IP address “**192.168.0.100**” and the user password to factory default mode (default password is **admin**), press the hardware reset button on the front panel for about 10 seconds. After the device is rebooted, you can log in the management Web interface within the same subnet of 192.168.0.xx and default password. Be noted that all the previous setups will be disappeared after the factory default reset is made.

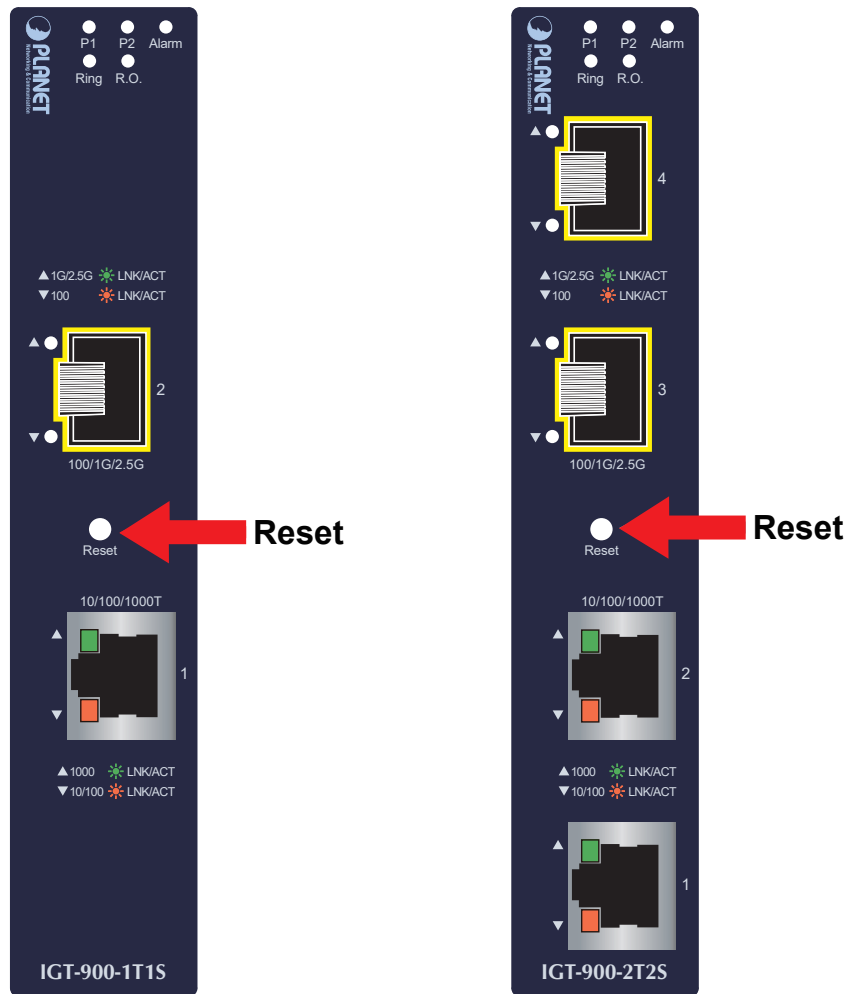


Figure 5-1: IGT-900-Series Reset Button

6. Customer Support

Thank you for purchasing PLANET products. You can browse our online FAQ resource on PLANET web site first to check if it could solve your issue. If you need more support information, please contact PLANET technical support team.

PLANET online FAQs:

<https://www.planet.com.tw/en/support/faq>

Technical support team mail address:

support@planet.com.tw

IGT-900-Series User's Manual:

<https://www.planet.com.tw/en/support/downloads?&method=keyword&keyword=IGT-900&view=3#list>



(Please select your product model name from the Product Model drop-down menu)

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