



**User Manual**

# **ABC-Industrial Switch**

**ABC S-M2080**

**14/2018**

© Copyright 2003-2016 by ABC IT, Ahrens & Birner Company GmbH

Virchowstraße 19/19a

D-90409 Nuremberg

Fon +49 911-394 800-0

Fax +49 911-394 800-99

<mailto:mail@abcit.eu>

<http://www.abcit.eu/>

## Contents

ABC S-M2080 .....	3
1. FEATURES .....	3
2. LEDs Behavior.....	3
3. Port Connection Diagram .....	4
4. Power Connection Diagram .....	4
5. Factory Default (for WEB management).....	4
6. Startup and Login .....	5
7. Online Help .....	6

## ABC S-M2080

### 1. FEATURES

- **Protocol:** IEEE802.3 10/100/1000M
- **Electrical Ports:** 8 x 1000M RJ45 ports and CAT5 cable is used
- **Optical Ports:** 2 x 100M/1000M Auto Negotiation SFP port
- **Input Voltage:** Dual Redundant DC18~36V
- **Power consumption:** <9W
- **Size:** 180mm (L) x 174mm (W) x42mm (H)
- **Weight:** <0.65KG
- **Operating Temperature:** -40°C~75°C
- **Humidity:** 5%~95%, No Condensation

### 2. LEDs Behavior

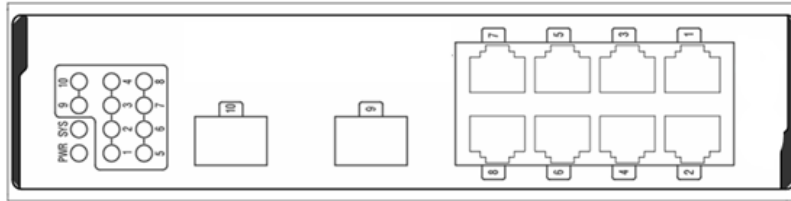
<b>Power (PWR)</b>	Green LED on when power on
<b>System (SYS)</b>	Green LED flashes when the device is normal Green LED off when the device is abnormal
<b>TP port (From 1 to 8)</b>	Green LED on while Signal links Green LED flashes while receiving and sending data
<b>1000M Optical Port (From 9 to 10)</b>	Green LED on while Signal links Green LED flashes while receiving and sending data

[NOTE]:

In order to achieve the nominal electromagnetic compatibility, please use the shielded twisted pair cable.

In order to avoid damage to internal surge protection circuit, insulation resistance test please separate FG and PG.

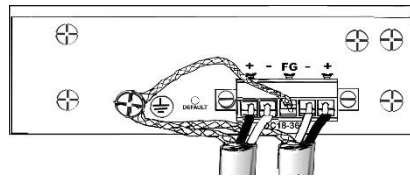
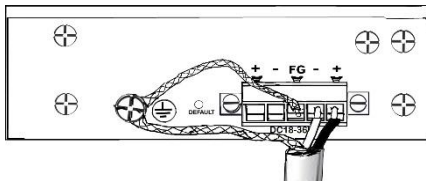
### 3. Port Connection Diagram



### 4. Power Connection Diagram

Left: Single DC input cable connection diagram

Right: Dual redundant DC input cable connection diagram



### 5. Factory Default (for WEB management)

IP Address: 192.168.2.1

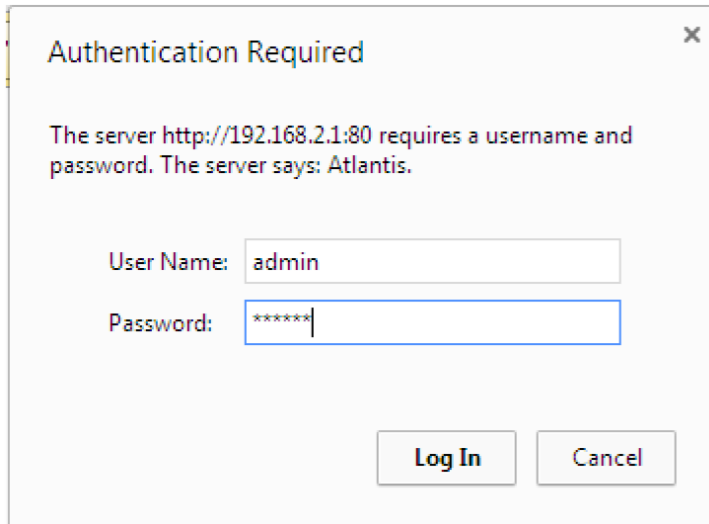
User: admin

Password: system

[NOTE]: To press and hold DEFAULT button for at least 5 seconds to apply factory default settings

## 6. Startup and Login

Open Internet Explorer, input <http://192.168.2.1> in the address bar, then the login interface will display after pressing Enter.



The image shows a standard Windows 'Authentication Required' dialog box. The title bar reads 'Authentication Required' with a close button (X) on the right. The main text states: 'The server http://192.168.2.1:80 requires a username and password. The server says: Atlantis.' Below this, there are two input fields: 'User Name:' with the text 'admin' entered, and 'Password:' with '\*\*\*\*\*' entered. At the bottom, there are two buttons: 'Log In' and 'Cancel'.

Input the correct user name and password (default user name: admin; default password: system). The specific configuration page will display after the successful login.



## 7. Online Help



For more configurations and information of ABC S-M2080, please search in the Online Help.