MOXA Automatic Backup Configurator

ABC-01
Hardware Installation Guide

First Edition, July 2006

P/N: 1802000011000

Overview

The ABC-01 Automatic Backup Configurator is a device that can save and load the configuration of a MOXA EDS-series managed switch via the switch's RS-232 console port. The ABC-01 thus makes it easier to manage the backup of system parameters or replacement of a switch. With the assistance of the ABC-01, users can quickly re-install a substitute switch (of the same model) and/or recover the entire system configuration, including IP address, if a switch failure occurs.
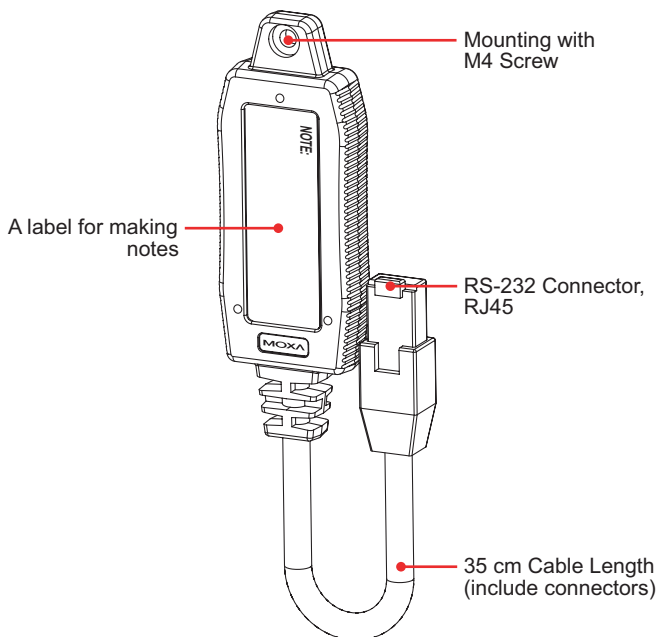
Package Checklist

MOXA ABC-01 is shipped with the following items. If any of these items is missing or damaged, please contact your customer service representative for assistance.

- 1 × ABC-01
- Hardware Installation Guide
- Product Warranty Statement

Features

- RS-232 RJ45 console port connection
- Complete configuration storage including IP address for one switch
- Automatic loading of system configuration after system reboot
- Manual loading and saving of system configuration through web console
- Portable low-power design that requires no power supply
- CE, FCC approval

Hardware Description

Mounting with M4 Screw

A label for making notes

RS-232 Connector, RJ45

35 cm Cable Length (include connectors)

Product Installation

The ABC-01 is designed solely for use with an RS-232 port. Plug the ABC-01 into the RS-232 console port of your MOXA EDS managed switch. Refer to the Product Operation section for instructions on how to save and load the configuration.

NOTE The following lines of MOXA EDS managed switches support configuration backup through the ABC-01:
   a. the EDS-700 series
   b. the EDS-500A series
   c. the EDS-400A series

   Please check firmware release notes on MOXA's website to obtain the most updated firmware version which supports ABC-01.

Product Operation

Save the switch's configuration on the ABC-01

Use the switch's web console to save the switches configuration to the ABC-01. The function is found under "Basic Settings/System File Upgrade/Backup Media" in the web console.

Load the configuration from the ABC-01 to the switch

There are 2 ways to load the configuration from the ABC-01 to a MOXA EDS-series managed switch:

1. **Load Automatically**
   When the ABC-01 is plugged in, the switch will automatically load the configuration from the ABC-01 after the switch reboots. This function can be disabled through the web console under "Basic Settings/System File Upgrade/Backup Media", or through the telnet console under "Basic Settings/Backup Media".

2. **Load Manually**
   When the ABC-01 is plugged in, the configuration can be loaded manually through the switch's web console under "Basic Settings/System File Upgrade/Backup Media".

NOTE	For further details on ABC-01 operation through the switch's web console, please refer to the user's manual for the switch.

NOTE	The status of the ABC-01 may be checked on the switch's web console or by observing the switch's front panel LEDs.

Operation	Switch's LED status
Save/Load in progress	FAULT, MASTER, COUPLER LEDs blink sequentially and circularly
Save/Load successful	FAULT, MASTER, COUPLER LEDs light off
Save/Load failed	FAULT LED light on, MASTER and COUPLE LEDs light off

Specifications

Connectors	RS-232 RJ45 port
Power Requirement	3 to 5 VDC, power input via RS-232 RTS
Configuration	via MOXA EDS managed switch's web console
Casing	PVC molding, IP40
Weight	50 g
Installation	M4 screw (> 4 mm)
Dimension (W × D × H)	$32.5 \times 97 \times 12$ mm
Cable Length	35 cm, including connectors
Operating Temperature	0 to 60°C (32 to 140°F)
Storage Temperature	-20 to 70°C (-4 to 158°F)
Ambient Relative Humidity	5 % to 95 % (non-condensing)
EMI	FCC Part 15, CISPR (EN55022) Class A
EMS	EN61000-4-2 (ESD), level 3 EN61000-4-3 (RS), level 3 EN61000-4-4 (EFT), level 3 EN61000-4-5 (Surge), level 3 EN61000-4-6 (CS), level 3
Warranty	5 years

MOXA Internet Services

Customer satisfaction is our number one concern, and to ensure that customers receive the full benefit of our products, Moxa Internet Services has been set up to provide technical support, driver updates, product information, and user's manual updates.

The following services are provided

E-mail for technical support:

support@moxanet.com (Worldwide)
support@moxa.com (The Americas)

World Wide Web (WWW) site for product information:

http://www.moxa.com