

ABC-01 Series Quick Installation Guide

Moxa Automatic Backup Configurator

Version 2.1, January 2021

Technical Support Contact Information
www.moxa.com/support

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P/N: 1802000011001



Overview

The ABC-01 Automatic Backup Configurator is a device that can save and load the configuration of a Moxa 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

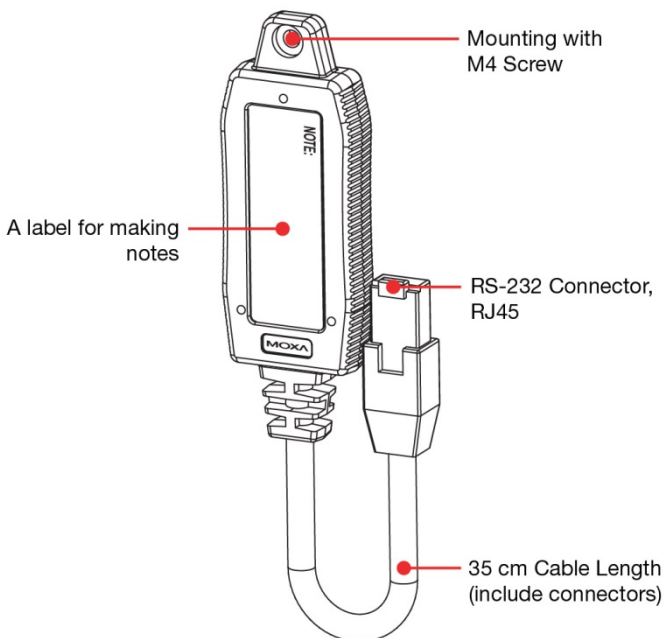
Moxa ABC-01 is shipped with the following items. If any of these items is missing or damaged, please contact your customer service representative for assistance.

- 1 x ABC-01
- Quick installation guide
- Warranty card

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



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 managed switch. Refer to the Product Operation section for instructions on how to save and load the configuration.

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 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 managed switch's web console
Casing	PVC molding, IP40
Weight	50 g
Installation	M4 screw (> 4 mm)
Dimension (W × D × H)	32.5 × 97 × 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 (EN55032) 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