

ABC Series

Configuration backup and restoration tool for managed switches and wireless APs/Bridges/Clients



- > Plug-n-Play system configuration backup and restoration
- > Rugged, reliable design
- > 1-click backup and auto-load technology to reduce system downtime (ABC-02 only)
- > Powerful troubleshooting tool to record mass event logs (ABC-02 only)
- > Supports Moxa's managed Ethernet switches and wireless APs/bridges/clients



Features

- ABC-01 series with RS-232 RJ45/M12 console port connection
- ABC-02 series can easily accessible as an USB 2.0 (type A) storage device using Windows OS
- Backup and restore switch configuration files
- Load the system configuration automatically after system reboot
- Web console to upgrade latest firmware and maintain event logs (ABC-02 only)
- One-click backup of system configurations using the RESET button when the ABC-02 is connected (ABC-02 only)
- Extend recorded entries of event logs when the ABC-02 is connected to the switch (ABC-02 only)
- Auto-backup of switch configuration files when any setting is changed (ABC-02 only)
- Portable low-power design (requires no power supply)
- CE and FCC approved

Introduction

The ABC Series are designed for system backup and restoration to enhance maintenance efficiency and reduce system downtime. The ABC-01 /ABC-01-M12 Automatic Backup Configurator tool can be used to save and load the configuration of Moxa's managed Ethernet switches and AWK series wireless APs/bridges/clients through the RS-232 console port.

The ABC-02-USB Automatic Backup Configurator is designed for Moxa's new generation of managed switches, which can save and load configuration files, backup event logs, and load firmware via the USB (universal serial bus) interface to the ICS/IKS A series and EDS E series switches. The ABC-02-USB is able to be accessed directly like a standard USB flash drive from a computer.

The ABC series makes it easier to manage the backup of system parameters or perform configuration. With the ABC series device, users can quickly configure a replacement switch (of the same model).

Specifications

Interface

Connectors:

- ABC-01 Series: RS-232/RJ45/M12 port
- ABC-02 Series: USB 2.0 Type A

LED Indicators:

- ABC-01 Series: None
- ABC-02 Series: STATE

Basic Operation

Storage Capacity:

- ABC-01 Series: 128 KB Flash
- ABC-02 Series: 128 MB SLC type NAND Flash

Configuration: Use the web console of Moxa's managed switches

Power Requirements

Input Voltage:

- ABC-01 Series: 3 to 5 VDC (through the RS-232 port's RTS signal)
- ABC-02 Series: 5 VDC (through USB Interface)

Physical Characteristics

Housing: PVC molding, IP40 protection

Dimensions: 32.5 x 97 x 12 mm (1.28 x 3.82 x 0.47 in)

Weight:

- ABC-01: 50 g
- ABC-01-M12: 60 g
- ABC-02-USB: 50 g

Mounting Method: M4 screws (< 4 mm)

Cable Length: 35 cm ±3 cm (including connector)

Environmental Limits

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)

Standards and Certifications

EMI: FCC Part 15 Subpart B Class A, EN 55022 Class A

EMS: EN 61000-4-2 (ESD) Level 2(ABC-01 Series), EN 61000-4-2 (ESD)

Level 3(ABC-02 Series), EN 61000-4-3 (RS) Level 3, EN 61000-4-4 (EFT)

Level 3, EN 61000-4-5 (Surge) Level 3, EN 61000-4-6 (CS) Level 3

Warranty

Warranty Period: 5 years

Details: See www.moxa.com/warranty

Ordering Information

Available Models

ABC-01: Configuration backup and restoration tool for managed Ethernet switches and AWK series wireless APs/Bridges/Clients, 0 to 60°C operating temperature

ABC-01-M12: Configuration backup and restoration tool with M12 connector for ToughNet series EN 50155 managed Ethernet switches, 0 to 60°C operating temperature

ABC-02-USB: USB-based auto backup configurator, configuration backup/restoration, firmware upgrade and log file storage tool for managed Ethernet switches and routers, 0 to 60°C operating temperature

Package Checklist

- ABC-01 or ABC-02 configuration backup tool
- Hardware installation guide (printed)
- Warranty card