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

ABC-02 Features

- One-click backup of system configurations using the RESET button
- Extend recorded entries of event logs
- Auto-backup of switch configuration files when any setting is changed

Introduction

The ABC series is 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. It can save and load configuration files, back up event logs, and load firmware via the USB (universal serial bus) interface on the switches.

The ABC series makes it easier to manage the backup of system parameters and perform configuration. With the ABC series, 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

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 and ABC-02-USB: 50 g
• nABC-01-M12: 60 g
Mounting Method: M4 screws (< 4 mm)
Cable Length: 35 cm ±3 cm (including connector)

Environmental Limits

Operating Temperature: Standard Models: 0 to 60°C (32 to 140°F)
Wide Temp. Models: -40 to 75°C (-40 to 167°F)
Storage Temperature: Standard Models: -20 to 70°C (-4 to 158°F)
Wide Temp. Models: -40 to 85°C (-40 to 185°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
ABC-02-USB-T: USB-based auto backup configurator, configuration backup/restoration, firmware upgrade and log file storage tool for managed Ethernet switches and routers, -40 to 75°C operating temperature

Package Checklist

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

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