External Backup and Restore Module

EBR-Module RS232

Hardware Installation Guide

First Edition, December 2010
1273250000/00/12.10

Please note:
This document and any further product information - if available - can be downloaded at the internet link:

http://www.weidmueller.com/downloads

Copyright Notice
Copyright © 2010 Weidmüller Interface GmbH & Co. KG
All rights reserved.
Reproduction without permission is prohibited.

Weidmüller

Overview

The External Backup and Restore Module (EBR-Module-RS232) is a device that can save and load the configuration of Weidmüller managed Ethernet Switches via the switch's RS-232 console port. This device makes it very easy to manage the backup of system parameters or the replacement of a switch. With the assistance of the EBR-Module-RS232, 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

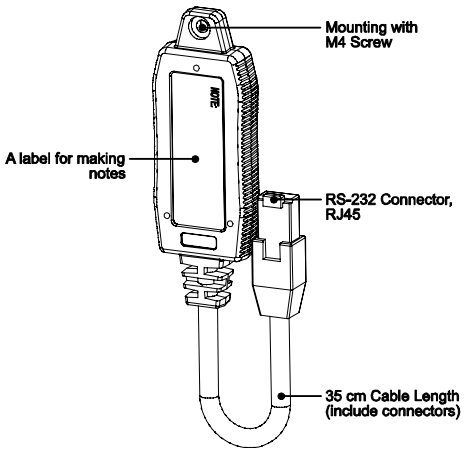
The EBR-Module-RS232 is shipped with the following items. If any of these items is missing or damaged, please contact your customer service representative for assistance.

- 1 x EBR-Module-RS232
- Hardware Installation Guide

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 EBR-Module-RS232 is designed solely for use with an RS-232 port. Plug the device into the RS-232 console port of your Weidmüller managed Ethernet Switch. Refer to the Product Operation section for instructions on how to save and load the configuration.

NOTE	The following product lines of managed Ethernet Switches support configuration backup through the EBR-Module-RS232: a. managed Premium Line Switches b. managed Value Line Switches Please check firmware release notes on Weidmüller's website to obtain the most updated firmware version which supports EBR-Module-RS232.

Product Operation

Save the switch's configuration on the EBR-Module-RS232

Use the switch's web console to save the switches configuration to the EBR-Module-RS232. The function is found under "Basic Settings/System File Upgrade/Backup Media" in the web console.

Load the configuration from the EBR-Module-RS232 to the switch

There are 2 ways to load the configuration from the EBR-Module-RS232 to a Weidmüller managed Ethernet Switch:

1. Load Automatically

When the EBR-Module-RS232 is plugged in, the switch will automatically load the configuration from the EBR-Module-RS232 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 EBR-Module-RS232 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 operation with EBR-Module-RS232 through the switch's web console, please refer to the user's manual of the used switch.

NOTE The status of the EBR-Module-RS232 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 Weidmüller managed Ethernet 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 (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

Weidmüller gives a 5 year warranty on this product in accordance with the warranty terms as described in the general conditions of sale of the Weidmüller company which has sold the products to you. Weidmüller warrants to you that such products the defects of which have already existed at the time when the risk passed will be repaired by Weidmüller free of charge or that Weidmüller will provide a new, functionally equivalent product to replace the defective one. Safe where expressly described otherwise in writing in this catalogue/product description, Weidmüller gives no warranty or guarantee as to the interoperability in specific systems or as to the fitness for any particular purpose. To the extent permitted by law, any claims for damages and reimbursement of expenses, based on whatever legal reason, including contract or tort, shall be excluded. Where not expressly stated otherwise in this warranty, the general conditions of purchase and the expressive liability commitments therein of the respective Weidmüller company which has sold the products to you shall be applicable.

Contact Information

Weidmüller Interface GmbH & Co. KG
Postfach 3030
32760 Detmold
Klingenbergstraße 16
32758 Detmold
Germany

Phone +49 (0) 5231 14-0
Fax +49 (0) 5231 14-2083
E-Mail info@weidmueller.com
Internet www.weidmueller.com