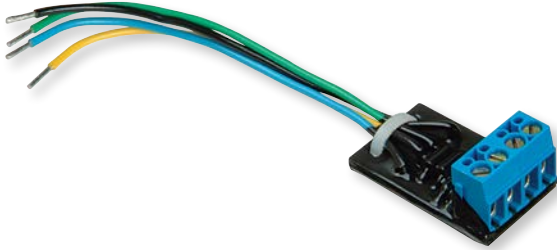


# Fused RS-422/485 Surge Protector

Model BB-485FPP

**ADVANTECH**

[www.advantech.com](http://www.advantech.com)



## PRODUCT FEATURES

- Protects RS-422 or RS-485 ports
- 600W serial circuit surge suppression
- 125 mA fast-acting PCB fuses
- Simple in-line installation
- One time use, disposable unit

Single stage surge protectors offer a high degree of protection with Transient Voltage Suppressors (TVS) for each protected line.

Model BB-485FPP has 600W Transient Voltage Suppressors to clamp voltages without adversely affecting normal RS-422/485 data. Fast-acting 125 mA PCB fuses to protect RS-422 and RS-485 circuits against transient voltages that are too long or too large for normal suppression.

The BB-485FPP has 4 wires and terminal blocks for easy installation inline between the data cables – as close as possible to the serial port. Once a fuse is blown, the unit should be disposed and replaced.

## ORDERING INFORMATION

MODEL NUMBER	PROTECTION	CONNECTORS	LINES PROTECTED
BB-485FPP	RS-422/485 (disposable, fused)	Terminal Blocks (4) wire leads	(4) RS-422/485 data lines

## RELATED PRODUCTS

**BB-485HESP** - RS-485 Surge Protector

**BB-485OP** - RS-485 Optical Isolator

## SPECIFICATIONS

SERIAL TECHNOLOGY	
Connectors	Terminal blocks RS-422/485: (4) wire leads
SURGE SUPPRESSION	
Surge Suppressors	7.5 Volts, bi-directional avalanche breakdown device
Clamping Voltage	< 1 x 10 <sup>-12</sup> seconds, theoretical
Fuses	125 mA fast-acting type
Peak Power	500 Watts dissipation
Series Resistance	7.2 Ohms, maximum
Capacitance	6,000 Picofarads, maximum
Installation	In-line
Weight	22.7 gm (0.05 lb)
ENVIRONMENTAL	
Operating Temperature	0 to +70 °C (+32 to +185 °F)
Storage Temperature	-40 to +85 °C (-40 to +185 °F)
Operating Humidity	0 to 95% Non-Condensing
APPROVALS / CERTIFICATIONS - BB-485FPP	
FCC Part 15, CISPR, EN 55022: 2010 + AC:2011 Class A Emissions	
CE	
IEC Standards - EN 61000-6-1 - Generic Standards for Residential, Commercial and Light-Industrial Environments	

All product specifications are subject to change without notice.  
BB-485FPP\_1720ds

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