

Eaton Protection Box PowerLine



Eaton Protection Box PowerLine is available with 5 or 8 sockets and 85 or 200 Mbits modules.



Advanced protection for:

- HDTV via broadband
- TV via broadband
- Internet broadband



Combined PowerLine/surge protection/ multi-way socket block

Broadband and HDTV over mains sockets

Unique: plug in - protect - connect

Eaton Protection Box PowerLine is the first unit on the market to combine a multi-way socket block, an 85 or 200 Mbits PowerLine Communication (PLC) module and a PowerLine-compatible surge protection.

It optimizes the use of PLC technology to route broadband data over existing mains wiring.

Eaton Protection Box PowerLine can be used in pairs or larger groups and is compatible with other PowerLine adapters (see compatibility table overleaf).

Elimination of interference to get the best from PowerLine technology

Two models of the Eaton Protection Box PowerLine are available:

- 85 Mbits (HomePlug 1.1 standard), ideal for broadband TV and sharing Internet access
- 200 Mbits (HomePlug AV standard), essential for HDTV, video file transfer and VoIP

In the design of the Eaton Protection Box PowerLine, Eaton has used its know-how in eliminating electrical interference.

It optimizes the transmission of the PowerLine signal to provide the maximum possible data rate:

- the surge protection is designed so that the PowerLine signal is not blocked or weakened ("PLC-Ready" function)
- a filter prevents the PowerLine signal being affected by interference from equipment connected to the socket block: mobile phone chargers, laptops, power supplies, etc ("PLC-Shield" function)

Surge protection for delicate, expensive equipment

HDTVs, HD DVD players, Multimedia PCs, Media Centers, NAS file servers contain precious data (personal photos and videos, film collections, music libraries, personal files, etc).

- Eaton Protection Box PowerLine protects them from damage caused by the indirect effects of lightning strikes or surges: it is a high performance surge protective device rated according to IEC 61 643-1

More advantages to simplify life

- The sockets are spaced so that transformer blocks can be plugged in without obstructing the adjacent sockets
- Cable ties and markers are supplied
- An encryption button is used to enable secure data transmission (200 Mbits model)
- 3 indicators: mains, surge protection status and PowerLine status
- The equipment connected to the Protection Box PowerLine is insured for up to 25000€ (Protection Box 5) and up to 50000€ (Protection Box 8) (EU countries and Norway, 20,000£ for UK)

EATON

Powering Business Worldwide



Eaton Protection Box PowerLine

- 1 1 PLC-Ready socket
- 2 7 PLC-Shield sockets to protect the PowerLine signal
- 3 Power ON indicator
- 4 8 widely spaced sockets for plugs and transformer blocks



- 5 All outlets with safety shutters
- 6 Protection ON indicator
- 7 Combined surge protection and 85 or 200 Mbits PowerLine module
- 8 Tel/Modem Internet broadband line protection

Eaton Protection Box 8 PowerLine

TECHNICAL SPECIFICATIONS	Protection Box 5 PowerLine	Protection Box 8 PowerLine
Rating (A/W)*	10 A / 2300 W	10 A / 2300 W
Voltage/frequency	220 V – 250 V / 50/60 Hz	
IEC 61643-1 tested	Yes	Yes
Surge protection		
Performance	Uoc = 6.6 kV - Up = 1.5 kV - In = 2.5 kA - Imax = 8 kA to IEC 61643-1 with a 8/20 µs pulse	
Overvoltage protection		
Total protection	30 000 A 3 x MOV 10 000 A	
Response time	<1ns	
Total surge absorption	1110 Joules	
EMI/RFI filter		
Maximum attenuation	52 dB from 100 kHz to 100 Mhz	
Data line protection		
Tel line. RJ11/RJ45 including broadband	10 000 A	10 000 A
Audio/Video line	/	10 000 A
Marking and standards		
Safety	IEC 60-950, NFC 61-303	
EMC	EN 55082-2, EN 55022 class B, EN 61000-4-4 level 4, IEC 61000-4-5 level X = 10 kV	
Surge protection	IEC 61 643-1	

Compatibility	Protection Box PowerLine 85	Protection Box PowerLine 200
Compatible with	Protection Box PowerLine 85 DEVOLO dLAN 85 HighSpeed	Protection Box PowerLine 200 DEVOLO dLAN 200AV/200 AVeasy
No compatible with	HomePlug 1.1 products (Orange Liveplug, LEA Netplug Turbo, Netgear XE, Darty Box CPL, Sagem F@st PLUG TV, Bewan E85,...)	HomePlug AV products (Freeplug, Orange Liveplug HD, LEA NetPlug AV, Sagem F@st PLUG AV, Bewan E200,...)
PowerLine compatibility	UPA (DS2) products (Netgear HDX, DLink, Iievo, Corinex AV200...) and Panasonic	
PowerLine signal protection	Built-in PLC-Ready socket: surge protection compatible wit PowerLine signals Built-in PLC-Shield: EMI-RFI filter (except on PLC-Ready socket) to eliminate interference from equipment such as mobile phone chargers, portable computers, etc	
PowerLine specifications		
Standard	HomePlug 1.1	HomePlug AV
Data rate	up to 85 Mbits	up to 200 Mbits
PLC Technology	DEVOLO dLAN HighSpeed 85	DEVOLO dLAN 200 AVeasy
Encryption	DESpro	AES 128 bits
Interface	1 x Ethernet RJ45	1 x Ethernet RJ45
Dimensions and weight		
Dimensions H x W x D	65 x 260 x 120 mm	65 x 315 x 150 mm
Weight	0.770 kg	0.850 kg
Customer Service & Support		
2 years guarantee	Standard product exchange ; warranty for connected equipment up to 50 000 € (Protection Box 8 models) and up to 25 000€ (Protection Box 5 models)**	

*: Calculated for a nominal voltage at 230 V
**for EU countries and Norway, 20 000 £ for UK

Part Numbers	Protection Box PowerLine 85		Protection Box PowerLine 200	
	5	8	5	8
FR sockets	68 593	68 589	/	68 591
DIN sockets	68 594	68 590	/	68 592



FR DIN