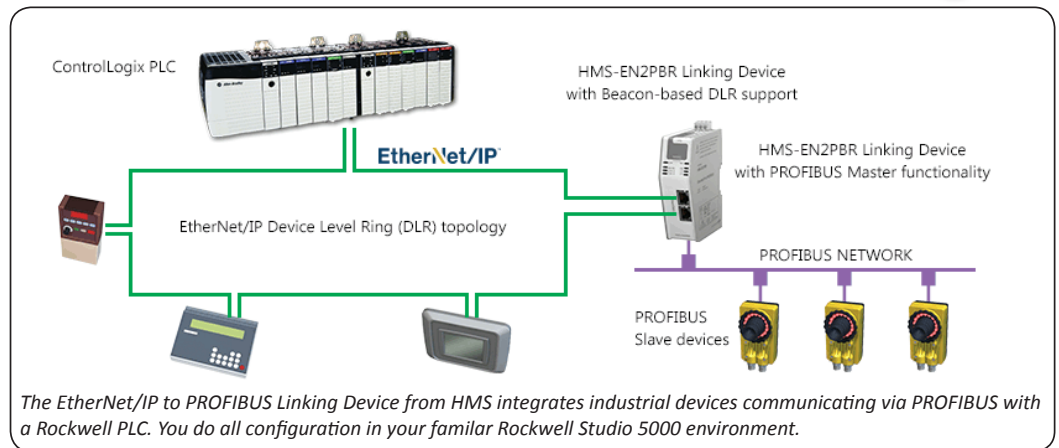


# EtherNet/IP™ to PROFIBUS DP Linking Device

The EtherNet/IP to PROFIBUS Linking Device allows you to connect any PROFIBUS device or system to your ControlLogix™ and CompactLogix™ PLC from Rockwell Automation. The stand-alone Linking Device is less expensive than an in-chassis-based solution, and has even better integration to Rockwell Studio5000.



The EtherNet/IP to PROFIBUS Linking Device from HMS integrates industrial devices communicating via PROFIBUS with a Rockwell PLC. You do all configuration in your familiar Rockwell Studio 5000 environment.

## In short:

EtherNet/IP Adapter Class product which is tightly integrated to Rockwell Studio5000 allowing you to connect PROFIBUS devices to Rockwell PLCs.

## Catalog number:

HMS-EN2PBR

## The EtherNet/IP to PROFIBUS DP Linking Device will:

- Minimize costs when connecting PROFIBUS devices to your PLC. More cost-efficient than an in-chassis solution.
- Allow you to easily retrofit existing PROFIBUS devices.
- Allow you to support “Big Data” — up to 7000 bytes of I/O data.
- Speed up configuration — Automated process inside Rockwell Studio5000.
- Remove the need for long and expensive proprietary cable by using Ethernet cables for the longest distance.

## Technical highlights

- Custom Add-On Profile: simplifies configuration and reduces commissioning time, dynamically generates data structures. No need for any ladder logic or Add On Instructions.
- Complete PROFIBUS DP/DPV1 Master functionality according to IEC 61158.
- Supports DPV1 Class 1 and 2 for acyclic data exchange.
- Connects up to 125 slaves.
- Does not affect backplane performance (PLC execution time), even when large amount of data is transferred to the ControlLogix PLC.
- EtherNet/IP Adapter Class product supporting DLR.
- Supports the generation of Process Variable Data Tags and automatic generation of named and structured Studio 5000 controller tags — no need to spend time creating alias tags.
- SD-card slot for easy module replacement.
- ODVA, CE, UL, ATEX and Haz.Loc. certifications pending.

## Integrated into Studio5000



All network and device configuration is done within Studio 5000.

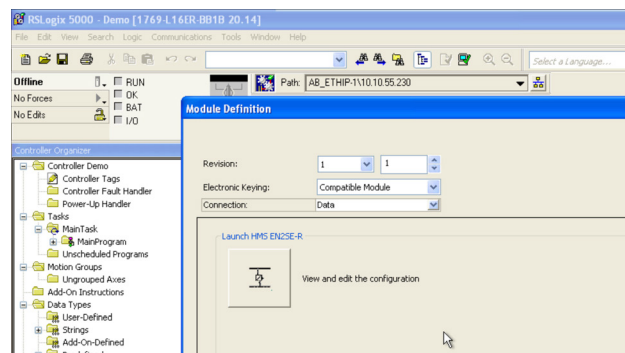
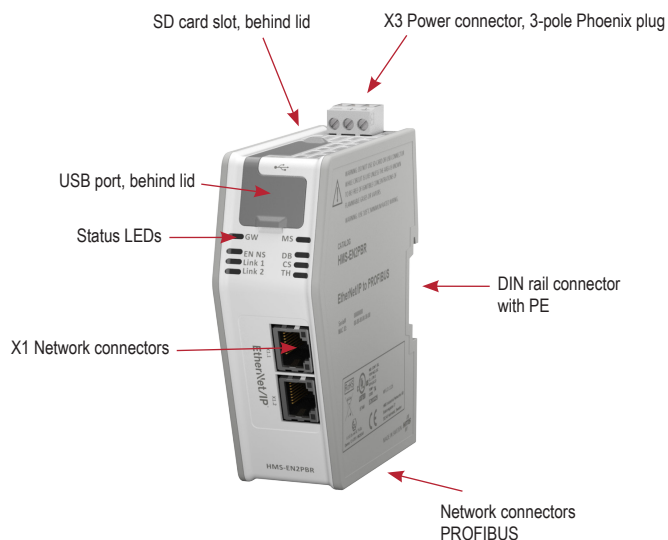
See how it works at [www.encompass.hms-networks.com](http://www.encompass.hms-networks.com)



HMS provides a full 3 year product guarantee

## TECHNICAL SPECIFICATIONS

EtherNet/IP Linking Device for PROFIBUS DP		
Max amount of slaves	125	
Network connector	One DSUB 9-pin female connector and two RJ45 connectors	
EtherNet/IP baud rate	10/100 Mbit/s	
PROFIBUS baud rate	9600 bit/s to 12 Mbit/s	
I/O data	3500 bytes Input and 3500 Output	
Technical Details		Standard
Weight	Pending	
Dimensions (L*W*H)	110*35*101 mm, 4,33*1,38*3,98"	
Protection class	IP20, NEMA rating 1	
Enclosure material	PC ABS, UL 94 VO	
Installation position	Vertical	
Mounting	DIN rail (35*7,5/15) or Wall Mount	EN 50022
Certifications		
UL	Pending	
Hazardous Locations	Pending	
ATEX	Pending	
CE	Pending	
Electrical Characteristics		
Power	24 VDC +/- 10 %	
Current consumption	-	
Hardware Characteristics		
Reverse voltage protection	Yes	
Short circuit protection	Yes	
Galvanic isolation on subnetwork	Yes	
Environmental Characteristics		
Operating temp	-25 to 60 °C, -13 to 140 °F	IEC 60068-2-1 IEC 60068-2-2
Storage temp	-40 to 85 °C, -40 to 185 °F	IEC 60068-2-1 IEC 60068-2-2
Relative Humidity	5-95 % non condensing	IEC 60068-2-30
Installation altitude	Up to 2 000 m	
Immunity and Emission for Industrial Environment		
Electrostatic discharge	+/- 4 kV	EN 61000-4-2
Electromagnetic RF fields	10 V/m 80 MHz - 1 GHz 3 V/m 1,4 GHz - 2,0 GHz 1 V/m 2,0 GHz - 2,7 GHz	EN 61000-4-3
Fast Transients	+/- 1 kV	EN 61000-4-4
Surge protection	+/- 1 kV	EN 61000-4-5
RF conducted interference	10 V/rms	EN 61000-4-6
Emission (at 10 m)	40 dB 30 MHz - 230 MHz 47 dB 30 MHz - 1 GHz	EN 55016-2-3
Insulation, transient voltage (not for personal safety)		
Power to PE	1 500 V	EN 60950-1
Power to X1	2 500 V	EN 60950-1
Power to X2	1 500 V	EN 60950-1
X2 to PE	500 V	EN 60950-1
X2 Shields to PE	500 V	EN 60950-1
X2 to X2 Shields	500 V	EN 60950-1
X2.1 to X2.2	500 V	EN 60950-1
Included components		
• Installation guide		



The configuration is integrated into Rockwell Studio5000. With a click of the mouse, you start the configurator for the Linking Device.

Note: The information in this data is preliminary. Product release pending.

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