

Technical information

ILPH RS 232-RS 485 / Ethernet

Power supply 1	Voltage	10 ... 34 V DC, 10 ... 24 V AC
	Voltage tolerance	-10 %, +10 %
	Consumption	2 W max.
	Connections	coding screw removable connector 0 to 2.5 mm ² (22-14 AWG)
Power supply 2	Voltage	10 ... 34 V DC
	Voltage tolerance	-10 %, +10 %
	Consumption	2 W max.
	Connections	screw connector (20 AWG)
Serial link 1 : RS 232	Overvoltage protection	integrated
	Baud rate / Transmission distance	max. 115.2 kbits/s / max. 15 m
	Connections	2.5 mm ² screw connector (20 AWG) or 9-point male SubD
Serial link 2 : RS 485	Overvoltage protection	integrated
	Line polarization	integrated
	End of line resistance	integrated
	Baud rate / Transmission distance	max. 115.2 kbits/s / max. 1200 m
	Connections	coding screw removable connector 0 to 2.5 mm ² (22-14 AWG)
Ethernet link	Overvoltage protection	integrated
	Baud rate / Transmission distance	10-100 Mbits/s / max. 100 m without Hub or Switch with CAT5 cable
	Connections	RJ45 connector
Visual indication	Voltage	1 yellow LED
	Signal status	3 green LED (RxD, TxD, LINK), 2 amber or green LED (Speed, Activity)
EMC behavior	Electrostatic discharge	EN 61000-4-2
	Radiated electromagnetic field	EN 61000-4-3
	Fast transient / burst	EN 61000-4-4
	Surge immunity	EN 61000-4-5
	Electromagnetic compatibility	EN 55022
Other characteristics	Galvanic isolation between serial link / power supply / Ethernet link	750 V DC / 1500 V AC
	Operating mode configuration	using internal switches and/or software (TELNET or HYPERTERMINAL)
	Operating temperature	0 °C ... +60 °C
	Storage temperature	-20 °C ... +70 °C
	Mounting	as required
	DIN rail fixing (EN 50002)	snap-on mounting
	Connection capacity	2.5 mm ² / flexible with ferrule, 4 mm ² solid
	Dimensions (W x D x H)	94 x 22.5 x 100 mm

Description	Type	Order code	Packaging	Weight kg
Serial data converter e-ILPH	ILPH RS 232-RS 485 / Ethernet	1SNA 684 252 R0200	1	0.12

Other conversions are available:

- RS 232 – RS 422/485
- RS 232 – Optical Fiber
- RS 232 – RS 232
- RS 422/485 – RS 422/485
- RS 485 – Optical Fiber
- RS 232 – Current loop
- RS 485 – Current loop

For more information, please contact your retailer, visit our internet website at www.abb.com or consult our ILPH main catalogue.



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Connect your Products on Ethernet!

e-ILPH, the intelligent gateway between Ethernet and serial protocols

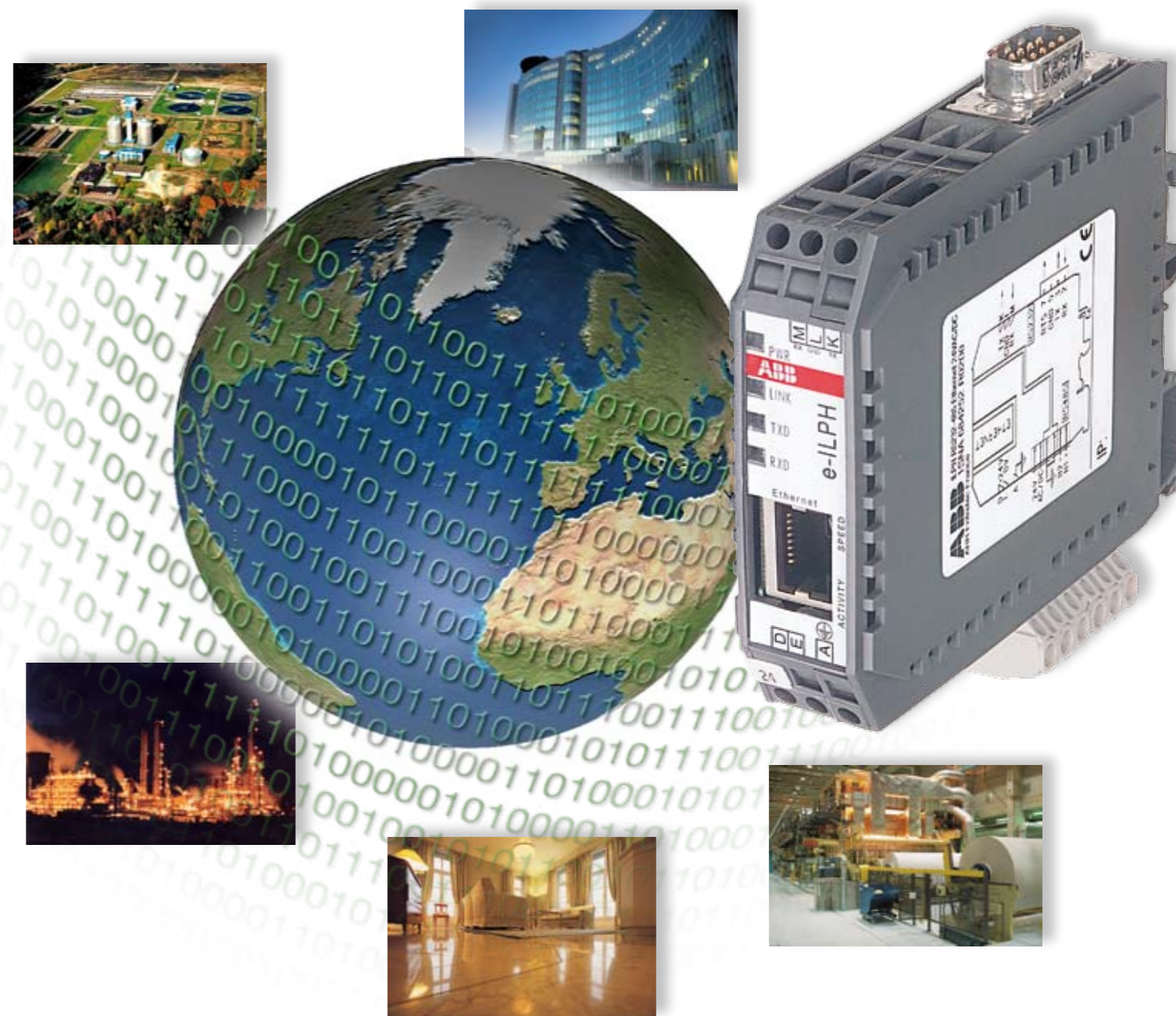


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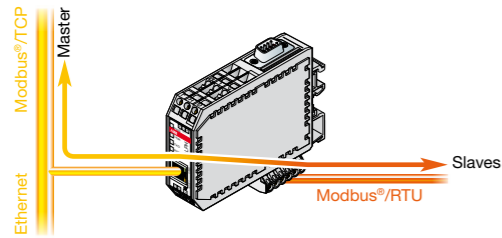


Performance

Increase the performance levels of your application

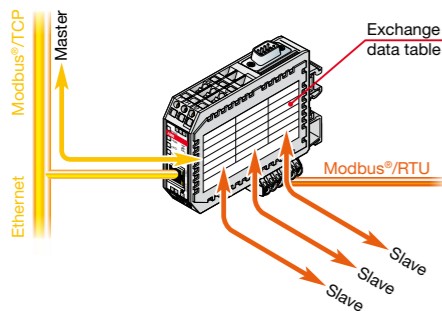
Ethernet available: Gateway mode

All products with the MODBUS®/RTU communication interface can be connected to Ethernet via MODBUS®/TCP.



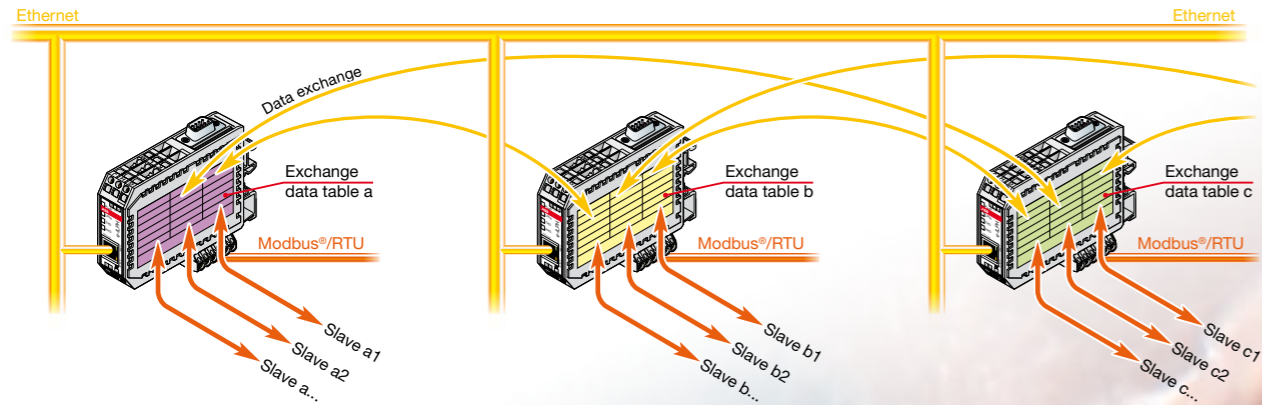
Faster: Concentrator mode

Speed-up Modbus®/TCP data exchange with the "concentrator" mode by reducing answer waiting times from the Modbus® slaves.



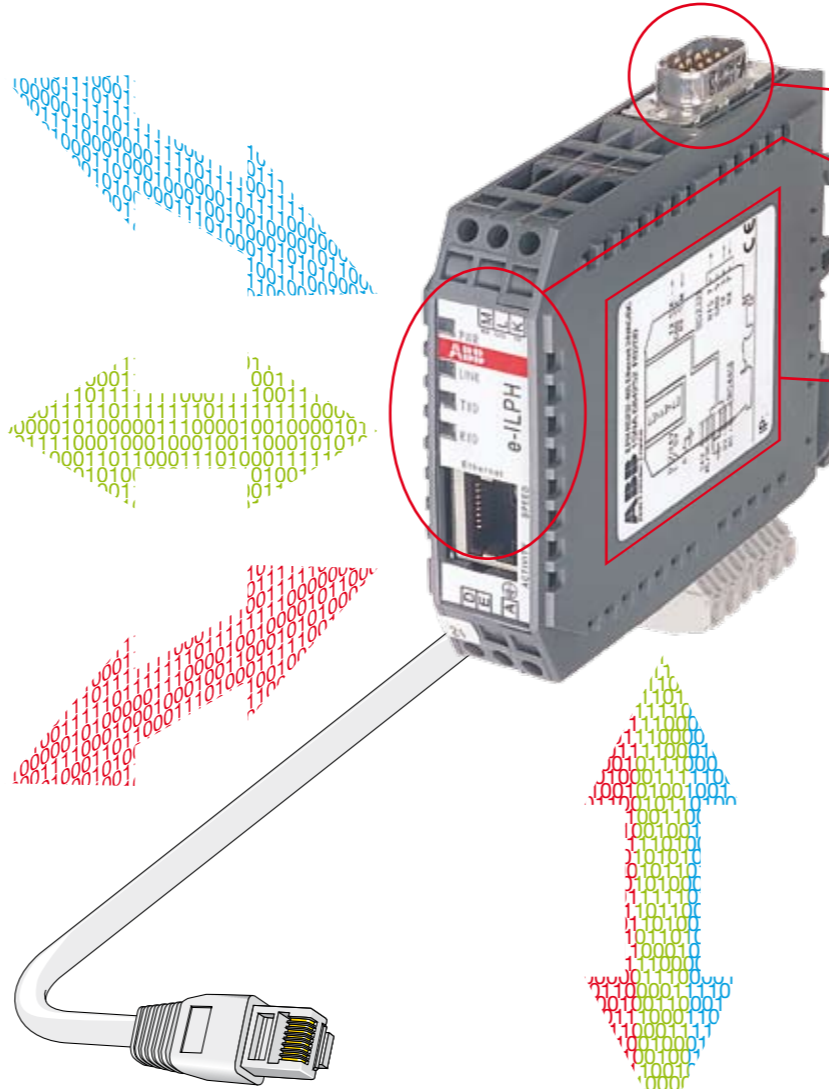
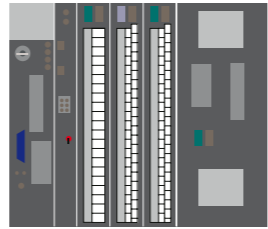
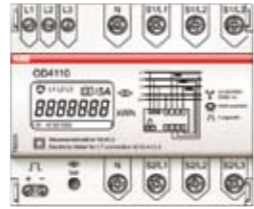
Easy to use: Easy Net Modbus® mode

Intuitive and flexible management of your Modbus®/TCP data exchange without the need for master programming. Data is exchanged between the different e-ILPH participants connected to the Modbus®/TCP network using specific data tables. This means the application has better availability and greatly facilitates its design and implementation.



Use these 3 modes at same time to cumulate all the advantages.

Other modes available: Client, Server, SMTP, DHCP, Transparent, and Programming for AC31, 40 or 50 series.



Comfort

Standard connection:

Use a standard serial PC cable.
Use simple free wire cable on the screw connectors (Rx, Tx).

Simple and quick diagnosis:

Quick front face LED visualisation of product traffic and status.

Easy cabling:

Configuration drawings and diagrams on the product.

Safety

Greater security:

Double power supplies can be connected to ensure continuity of service to the user process.

Isolated:

Protects your installation and sub-networks by providing galvanic isolation (1500 V between the Ethernet network and the RS232/RS485 lines).

Cost savings

Small size:

Its small size (22.5 mm) and DIN rail mounting mean it can even be installed into small enclosures.

No additional software costs:

Use available standards to configure the e-ILPH (Telnet, Hyperterminal or Command Prompt).

Low consumption and wide voltage range:

Its low consumption (less than 2 Watts) and wide voltage range mean existing power supplies, or those integrated into the controllers, may be used.

Low consumption

