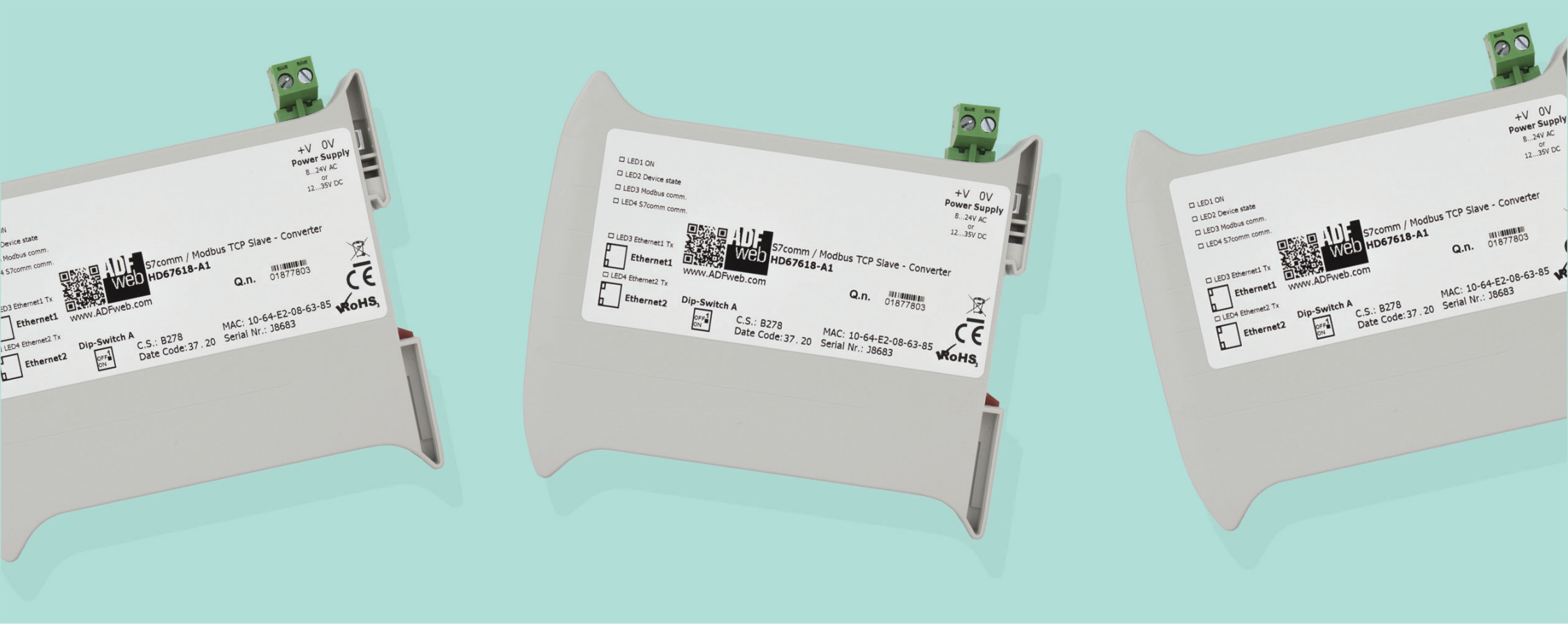
ADFweb.com Gateways

Protocol converters
between **S7comm**
protocol and **many others**.

ADF web



01
About us

The company

ADFweb.com is a specialist on ***protocol conversion*** and it develops hardware products that allow the interface between different devices and networks.

Thanks to ADFweb.com products, i***t is possible to interface different devices*** of the same sector or devices apparently belonging to worlds opposite each other.

From here the possibility to develop complex automations and to integrate different systems between them born, making uniform the management and the supervision of all the parts inside a specific application.

02
S7comm solutions

S7comm gateways

From the different solutions proposed, we find the products' series that makes the ***S7comm conversion.***

S7comm protocol is a protocol developed by ***Siemens*** and used for management and debug of PLCs, including those of the S7 series.

ADFweb.com converters are compatible with all products that use this protocol, allowing the interface with all supervision and control systems based on different protocols, from protocols typically used on ***Industrial Automation*** to the ones of ***Building Automation.***

03
Where using them?

Application field

S7comm converters are typically used in ***applications where a Siemens PLC (or equivalent) is installed.***
The typical environment is the Industrial one.

However, it is precisely due to the nature of the protocol converter offered by ADFweb. com that it is possible to consider the Industrial field just the starting environment.

In fact, thanks to the S7comm conversion, ***it is possible to integrate the data from the PLC with others*** devices inserted in others types of applications, like Building Automation, IoT world and IT management.

04

Why using them?

Among the different reasons that push to use a protocol converter, the main one is ***the possibility to integrate more parts of a network into the same supervision*** that can get the data and the informations without interfering with the specific operations of each sub network.

From here the choice of ***S7comm and related converters:*** thanks to this protocol it is possible to monitor all the data and processes of the PLCs ***without altering in any way the automation that*** it manages.

The supervision that will monitor the PLC will acquire in real time all the informations inside the PLC that will not suffer any interference.

What is very important is the impact that the introduction of the gateway will have on the system: differently from the protocols commonly used by Siemens PLC (or equivalent), the interface through S7comm protocol ***will not require any type of operation or reconfiguration of the PLC.***

It will be enough knowing the list of the variables and their allocation inside the PLC's memory (informations that can be found easily without particular operations).

This means that it will be possible to install and test the communication without stopping the automation processes running in the PLC and without resorting to reprogramming interventions of the code inside the PLC.

Strengths

- Integration of S7comm gateway without reconfiguring the PLC.
- Integration of S7comm gateway without interfering with existing automation.
- Easy and fast configuration, any particular information is required.
- Possibility to have a bidirectional communication, so to read and write the data inside the PLC from another system based on a different protocol.

05
Features

- Compatibility with all Siemens PLCs from S7 series and equivalent.
- Possibility to get the data remotely.
- Possibility to integrate existing systems to the IoT world, including the older ones.
- Industrial hardware with full electrical isolation.
- Industrial temperature range: -40° C / +85° C-
- DIN Rail fixing.

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