

ONLINE in 10 seconds with all S7 [PPI & MPI & PB & PN] without cable

(NO WIFI infrastructure required, Integrated access point)

PRODUCT OVERVIEW:

Our S7-BRIDGE is the world's smallest gateway to all your controllers. Through integrated WIFI and Ethernet interface, in the housing of a Profibus plug, a mobile access to all PLC systems is no problem. Wireless access to the MPI / DP bus with S7-300 / 400, PPI with S7-200 or Profinet on all S7-1200 / 1500 controllers is no longer an obstacle, it offers the possibility of Access to all other network components. At the same time, the system works as a S7 network adapter for programming, remote maintenance and for coupling the different PLCs. Thus, both HMI devices, e.g. current panel series, as well as any other S7-Ethernet device, be connected directly via S7-TCP-IP via LAN & WIFI.

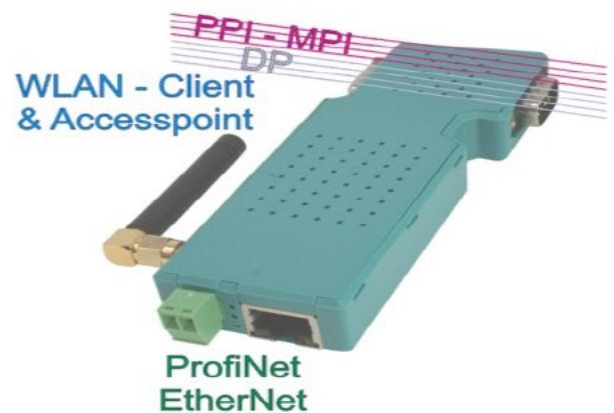
! parallel access to MPI / PPI / PROFIBUS !

Quite simply from Siemens TIA, Simatic Step7 Manager, MICROWIN and WinCC projects

Thanks to the integrated TIC driver without project changes.

HIGHLIGHTS:

- ✓ Parallel operation of several connections e.g., Remote maintenance, programming, visualization, and much more is possible.
- ✓ Replacement for e. g., CP343-1
- ✓ Coupling to each ERP system e.g., using OPC logs.
- ✓ No bus knowledge required / Automatic protocol and baud rate detection.
- ✓ Master class 2 for acyclic services (DPV1)
- ✓ Active module, no influence on other bus participants in the system.
 - Move around the machine without restrictions during commissioning or maintenance!
 - Work where problems are visible and comprehensible!



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APPLICATION AREAS:

- ✓ Commissioning of machines directly on PLC interface.
- ✓ Connection of mobile devices to the fieldbus system
- ✓ Universal coupling of all PLC machines, no matter which interfaces are available!
- ✓ WIFI programming adapter for service applications, once parameterized, thanks to flash memory without data loss, independent of power failures.
- ✓ PUT / GET of S7-1500 / 1200/300/400 (PN-CPU or with Ethernet-CP) with specified and unspecified connection possible.
- ✓ VPN remote maintenance possible, to maintain the PLC via the Internet.
- ✓ Read the time from a NTP server and set in the connected PLC controller.
- ✓ Coupling with DB-Transfer to S7-LAN, S7-Gateway, S7-CP, S5-LAN ++ or S5-Gateway.
- ✓ Any TCP device writes / reads DB`s in the S7-300 / 400 controllers.
- ✓ Monitor variables in Webserver without Step7 programming package.
- ✓ Analysis option of the connected bus system with spikes and error counter.
- ✓ MPI / Profibus adapter for S7 - 300 + 400 / PPI - Adapter for S7 - 200

CONFIGURATION:

Easiest configuration through intuitive web server operation!

The S7 bridge is designed for fast commissioning.

After the module has been plugged into the bus, just set an IP address directly via the web interface or use the TIC-Driver directly installed @Siemens Software.

After that, the controllers can already be accessed from the network.

NO WIFI INFRASTRUCTURE REQUIRED, ACCESS-POINT DIRECTLY INTEGRATED!

- ✓ Plug in the module, activate WLAN on the laptop, connect with Bridge-WLAN -> DONE

STEP-7 / TIA / WIN-CC / MICROWIN:

Thanks to the TIC driver, every additional installation outside the Siemens world is eliminated.

The configuration takes place direct in the PG-PC interface and is thus optimally integrated.

Each network device that speaks RFC1006 S7-TCP / IP, such as HMI devices or PGs can access the module directly. The adapter can be integrated in the S7 project itself, but does not have to be, so it is possible without changing the project .

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The S7 communication runs directly via S7 TCP / IP and expands every MPI bus / PROFIBUS by a network gateway.

It does not matter which controller type, S7-200 / S7-300 / S7-400 , hang in the fieldbus PLC network.

- ✓ Thanks to active PUT / GET , integrated directly in the module, no expensive CP's are required for PLC couplings.
- ✓ Supports Banner maintenance via VPN tunnel thanks to fully integrated TCP-IP stack with gateway configuration.

PROGRAMMING / ADAPTING / CONVERTING

The S7 bridge can be used directly as a WLAN gateway for PLCs. Program and visualize S7 PLC via WLAN is no longer a problem. Thanks to ext. Power supply also usable as Profinet-WIFI adapter.

The S7 SPS Bridge with all functions is the perfect PLC network adapter for every application.

The S7-Bridge is a reliable and handy S7-WIFI network adapter for every PPI, MPI - PROFIBUS and Profinet. Its compact design in PROFIBUS connector and its power supply directly from the CPU, enable a PLC to be connected to the Ethernet__ in less than 5 minutes.

Bus protocols, including baud rate and HSA, are automatically and automatically detected and set.

TECHNICAL DATA:

Supply voltage:	24V DC +/- 20%
Power consumption:	3 watt
Display:	Web-Browser status-LEDs
Handling/Configuration:	Web-Browser TIC-Software Configuration-tool
Interfaces:	to the PLC: PPI/MPI/Profibus interface: 9,6 KBd - 12 MBd to the PD/PC: PD/diagnosis jack 10/100BaseTX RJ45-ethernet jack Antenna-plug RP-SMA(f) (IEEE 802.11 b/g/n)
Galvanic separation:	1500V PPI/MPI/Profibus to the PC
Protocols:	RFC1006, DHCP, HTTP
Operating temperature:	0 - 55°C
Case:	ABS-plastic case
Dimensions:	120 x 43 x 17 mm
Scope of delivery:	S7-BRIDGE-module WIFI-stub antenna Power connector 2pins small

Part number: **PI S7 WI-FI BRIDGE**

