

Product type designation

IE/PB LINK PN IO

IE/PB LINK PN IO, gateway between Industrial Ethernet and PROFIBUS, PROFINET IO proxy with real-time communication, time synchronization via SIMATIC processes, NTP, SNMP v1, LLDP, S7 routing, dataset routing, connection of up to 64 S7/DPV0/DPV1 slaves, support of PD/PA Link and DP/FF Link, 10/100 Mbit/s Fast Ethernet, MRP, 9.6 Kbit/s to 12 Mbit/s PROFIBUS, firmware loading via configuring tool, redundant power supply, firmware version V4.0



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|---|--|
| Suitability for operation | Gateway between Industrial Ethernet and PROFIBUS |
| Transfer rate | |
| Transfer rate | |
| <ul style="list-style-type: none"> at the 1st interface at the 2nd interface | <p>10 ... 100 Mbit/s</p> <p>9.6 kbit/s ... 12 Mbit/s</p> |
| Interfaces | |
| Number of electrical connections | |
| <ul style="list-style-type: none"> at the 1st interface / acc. to Industrial Ethernet at the 2nd interface / acc. to PROFIBUS for power supply | <p>2</p> <p>1</p> <p>2</p> |
| Type of electrical connection | |
| <ul style="list-style-type: none"> for power supply | 4-pole terminal block |
| design of the removable storage / C-PLUG | Yes |
| Supply voltage, current consumption, power loss | |
| Type of voltage / of the supply voltage | DC |
| Supply voltage / external / at DC / Rated value | 24 V |
| Relative positive tolerance / at DC / at 24 V | 20 % |

| | |
|--|----------------|
| Relative negative tolerance / at DC / at 24 V | 15 % |
| Consumed current | |
| <ul style="list-style-type: none"> • from external supply voltage / at DC / at 24 V / typical | 0.2 A |
| <ul style="list-style-type: none"> • from external supply voltage / at DC / at 24 V / maximum | 0.3 A |
| Power loss [W] | 4.8 W; Typical |

Ambient conditions

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| Ambient temperature | |
| <ul style="list-style-type: none"> • for vertical installation / during operation | 0 ... 40 °C |
| <ul style="list-style-type: none"> • for horizontally arranged busbars / during operation | 0 ... 60 °C |
| <ul style="list-style-type: none"> • during storage | -40 ... +70 °C |
| <ul style="list-style-type: none"> • during transport | -40 ... +70 °C |
| Relative humidity | |
| <ul style="list-style-type: none"> • at 25 °C / without condensation / during operation / maximum | 95 % |
| Protection class IP | IP20 |

Design, dimensions and weights

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|---|-----------------|
| Module format | ET 200SP design |
| Width | 100 mm |
| Height | 117 mm |
| Depth | 74 mm |
| Net weight | 0.6 kg |
| Mounting type | |
| <ul style="list-style-type: none"> • 35 mm DIN rail mounting | Yes |

Performance data / PROFIBUS DP

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|---|-----------|
| Service / as DP master | |
| <ul style="list-style-type: none"> • DPV0 | Yes |
| <ul style="list-style-type: none"> • DPV1 | Yes |
| Number of DP slaves | |
| <ul style="list-style-type: none"> • at the 2nd interface / as DP master / maximum | 64 |
| Amount of data | |
| <ul style="list-style-type: none"> • of the address area of the inputs / as DP master / total | 2048 byte |
| <ul style="list-style-type: none"> • of the address area of the outputs / as DP master / total | 2048 byte |
| <ul style="list-style-type: none"> • of the address area of the inputs / per DP slave | 244 byte |
| <ul style="list-style-type: none"> • of the address area of the outputs / per DP slave | 244 byte |

Performance data / S7 communication

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|---|----|
| Number of possible connections / for S7 communication | |
| • maximum | 32 |

Performance data / multi-protocol mode

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|---|----|
| Number of active connections / with multi-protocol mode | 48 |
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Performance data / PROFINET communication / as PN IO device

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|---------------------------------------|-----|
| Product function / PROFINET IO device | Yes |
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Product functions / management, configuration, engineering

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|--|-----|
| Product function / MIB support | Yes |
| Protocol / is supported | |
| • SNMP v1 | Yes |
| • DCP | Yes |
| • LLDP | Yes |
| Identification & maintenance function | |
| • I&M0 - device-specific information | Yes |
| • I&M1 – higher-level designation/location designation | Yes |
| • I&M2 - installation date | Yes |
| • I&M3 - comment | Yes |

Product functions / Routing

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|---|-----|
| Service / as PROFIBUS / dataset routing | Yes |
| Number of possible connections / with dataset routing / maximum | 32 |

Product functions / redundancy

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|--|-----|
| Product function | |
| • Ring redundancy | Yes |
| Product function | |
| • of the PROFINET IO device / is supported / PROFINET system redundancy (S2) | No |
| Protocol / is supported / Media Redundancy Protocol (MRP) | Yes |

Product functions / time

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|---|-----|
| Product function / pass on time synchronization | Yes |
| Protocol / is supported | |
| • NTP | Yes |
| • SIMATIC time synchronization (SIMATIC Time) | Yes |

accessories

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|-------------|---|
| accessories | Optional: C-PLUG, BusAdapter of the ET 200SP system |
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Further information / Internet-Links

Internet-Link

- to website: Selector SIMATIC NET SELECTION TOOL
- to website: Industrial communication
- to website: Industry Mall
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://www.siemens.com/snst>

<http://www.siemens.com/simatic-net>

<https://mall.industry.siemens.com>

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

Security information

Security information

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last modified:

05/12/2020