

product type designation



IE/PB LINK HA

IE/PB LINK HA gateway between Ind. Ethernet and PROFIBUS, PROFINET IO proxy with real-time communication, system redundancy S2 with S7-400H, H-CiR, time synchron. via SIMATIC processes, NTP, SNMP v1, LLDP, S7 routing, data set routing, connection of up to 125 S7/DPV0/DPV1 slaves, support of DP/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 configuration tool, redundant power supply, conformal coating, ext. temp. -40 °C.. 70 °C.

suitability for operation

Gateway between Industrial Ethernet and PROFIBUS

transfer rate

transfer rate

- | | |
|------------------------|--------------------------|
| • at the 1st interface | 10 ... 100 Mbit/s |
| • at the 2nd interface | 9.6 kbit/s ... 12 Mbit/s |

interfaces

number of electrical connections

- | | |
|---|---|
| • at the 1st interface / according to Industrial Ethernet | 2 |
| • at the 2nd interface / according to PROFIBUS | 1 |
| • for power supply | 2 |

type of electrical connection

- | | |
|---|----------------------------------|
| • at the 1st interface / according to Industrial Ethernet | RJ45 port onboard or bus adapter |
|---|----------------------------------|

type of electrical connection

- | | |
|--|-----------------------------|
| • at the 2nd interface / according to PROFIBUS | 9-pin Sub-D socket (RS 485) |
| • 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

- | | |
|--|-------|
| • from external supply voltage / at DC / at 24 V / typical | 0.2 A |
| • from external supply voltage / at DC / at 24 V / maximum | 0.3 A |

power loss [W]

4.8 W; Typical

ambient conditions

ambient temperature

- | | |
|--|----------------|
| • for vertical installation / during operation | -40 ... +50 °C |
| • for horizontally arranged busbars / during operation | -40 ... +70 °C |
| • during storage | -40 ... +70 °C |
| • during transport | -40 ... +70 °C |

relative humidity

- | | |
|--|------|
| • at 25 °C / without condensation / during operation / maximum | 95 % |
|--|------|

protection class IP

IP20

design, dimensions and weights

module format

ET 200SP design

width

100 mm

height	117 mm
depth	74 mm
net weight	0.6 kg
product feature / conformal coating	Yes
fastening method	
• 35 mm top hat DIN rail mounting	Yes
performance data / PROFIBUS DP	
service / as DP master	
• DPV0	Yes
• DPV1	Yes
number of DP slaves	
• at the 2nd interface / as DP master / maximum	125
data volume	
• of the address range of the inputs / as DP master / total	4096 byte
• of the address range of the outputs / as DP master / total	4096 byte
• of the address range of the inputs / per DP slave	244 byte
• of the address range of the outputs / per DP slave	244 byte
performance data / S7 communication	
number of possible connections / for S7 communication	
• maximum	32
performance data / multi-protocol mode	
number of active connections / with multi-protocol mode	48
performance data / PROFINET communication / as PN IO device	
product function / PROFINET IO device	Yes
product functions / management, configuration, engineering	
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	
service / as PROFIBUS / data set routing	Yes
number of possible connections / with data set routing / maximum	32
product functions / redundancy	
product function	
• ring redundancy	Yes
product function	
• of the PROFINET IO device / is supported / PROFINET system redundancy	Yes; as S2-Device at CPU 410-5 H and S7 400H
protocol / is supported / Media Redundancy Protocol (MRP)	Yes
product functions / time	
product function / pass on time synchronization	Yes
protocol / is supported	
• NTP	Yes
• SIMATIC time synchronization (SIMATIC Time)	Yes
standards, specifications, approvals / hazardous environments	
certificate of suitability / CCC / for hazardous zone according to GB standard	Yes
• as marking	Ex nA IIC T4 Gc
accessories	
accessories	Optional: C-PLUG, BusAdapter of the ET 200SP system
further information / internet links	
internet link	
• to web page: selection aid TIA Selection Tool	http://www.siemens.com/tia-selection-tool
• to website: Industrial communication	http://www.siemens.com/simatic-net

- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAX-Download-Manager
- to website: Industry Online Support

<https://mall.industry.siemens.com>
<https://new.siemens.com/global/de/produkte/automatisierung/industrielle-kommunikation.html>
<http://automation.siemens.com/bilddb>
<http://www.siemens.com/cax>
<https://support.industry.siemens.com>

security information

security information

Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action (e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit <http://www.siemens.com/industrialsecurity>. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit <http://support.automation.siemens.com>. (V3.4)

last modified:

6/7/2023 