

### 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
<b>transfer rate</b>	
transfer rate	
<ul style="list-style-type: none"> <li>at the 1st interface</li> </ul>	10 ... 100 Mbit/s
<ul style="list-style-type: none"> <li>at the 2nd interface</li> </ul>	9.6 kbit/s ... 12 Mbit/s
<b>interfaces</b>	
number of electrical connections	
<ul style="list-style-type: none"> <li>at the 1st interface / according to Industrial Ethernet</li> </ul>	2
<ul style="list-style-type: none"> <li>at the 2nd interface / according to PROFIBUS</li> </ul>	1
<ul style="list-style-type: none"> <li>for power supply</li> </ul>	2
type of electrical connection	
<ul style="list-style-type: none"> <li>at the 1st interface / according to Industrial Ethernet</li> </ul>	RJ45 port onboard or bus adapter
type of electrical connection	
<ul style="list-style-type: none"> <li>at the 2nd interface / according to PROFIBUS</li> </ul>	9-pin Sub-D socket (RS 485)
<ul style="list-style-type: none"> <li>for power supply</li> </ul>	4-pole terminal block
design of the removable storage	
<ul style="list-style-type: none"> <li>C-PLUG</li> </ul>	Yes
<b>supply voltage, current consumption, power loss</b>	
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"> <li>from external supply voltage / at DC / at 24 V / typical</li> </ul>	0.2 A
<ul style="list-style-type: none"> <li>from external supply voltage / at DC / at 24 V / maximum</li> </ul>	0.3 A
power loss [W]	4.8 W; Typical
<b>ambient conditions</b>	
ambient temperature	
<ul style="list-style-type: none"> <li>for vertical installation / during operation</li> </ul>	-40 ... +50 °C
<ul style="list-style-type: none"> <li>for horizontally arranged busbars / during operation</li> </ul>	-40 ... +70 °C
<ul style="list-style-type: none"> <li>during storage</li> </ul>	-40 ... +70 °C
<ul style="list-style-type: none"> <li>during transport</li> </ul>	-40 ... +70 °C
relative humidity	
<ul style="list-style-type: none"> <li>at 25 °C / without condensation / during operation / maximum</li> </ul>	95 %
protection class IP	IP20
<b>design, dimensions and weights</b>	
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
<b>performance data / PROFIBUS DP</b>	
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
<b>performance data / S7 communication</b>	
number of possible connections / for S7 communication	
• maximum	32
<b>performance data / multi-protocol mode</b>	
number of active connections / with multi-protocol mode	48
<b>performance data / PROFINET communication / as PN IO device</b>	
product function / PROFINET IO device	Yes
<b>product functions / management, configuration, engineering</b>	
product function / MIB support	Yes
protocol / is supported	
• SNMP v1	Yes
• DCP	Yes
• LLDP	Yes
configuration software	
• required	STEP 7 as of V5.6 SP2 HF3 and HSP, STEP 7 Professional probably as of V17, PCS7 as of V9.0 SP3, PNI as of V1.0.
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
<b>product functions / routing</b>	
service / as PROFIBUS / data set routing	Yes
number of possible connections / with data set routing / maximum	32
<b>product functions / redundancy</b>	
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
<b>product functions / time</b>	
product function / pass on time synchronization	Yes
protocol / is supported	
• NTP	Yes
• SIMATIC time synchronization (SIMATIC Time)	Yes
<b>standards, specifications, approvals / hazardous environments</b>	
certificate of suitability / CCC / for hazardous zone according to GB standard	Yes
• as marking	Ex nA IIC T4 Gc
<b>accessories</b>	
accessories	Optional: C-PLUG, BusAdapter of the ET 200SP system
<b>further information / internet links</b>	

<p>internet link</p> <ul style="list-style-type: none"> <li>• to web page: selection aid TIA Selection Tool</li> <li>• to website: Industrial communication</li> <li>• to website: Industry Mall</li> <li>• to website: Information and Download Center</li>   <li>• to website: Image database</li> <li>• to website: CAx-Download-Manager</li> <li>• to website: Industry Online Support</li> </ul>	<p><a href="http://www.siemens.com/tia-selection-tool">http://www.siemens.com/tia-selection-tool</a></p> <p><a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a></p> <p><a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a></p> <p><a href="https://new.siemens.com/global/de/produkte/automatisierung/industrielle-kommunikation.html">https://new.siemens.com/global/de/produkte/automatisierung/industrielle-kommunikation.html</a></p> <p><a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a></p> <p><a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a></p> <p><a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a></p>
<b>security information</b>	
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