

### product type designation



### M804PB

SCALANCE M804PB; Router for secure remote connection of PROFIBUS / MPI programmable controllers at Ethernet networks by means of VPN and firewall. Further functions: address conversion (NAT/NAPT), connection to SINEMA RC, 2-port switch; 1x digital input, 1x digital output.

Technical Product Detail Page

<https://l.siemens.com/1P6GK5804-0AP00-2AA2>

### transfer rate

transfer rate / for Industrial Ethernet	10, 100 Mbit/s
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### interfaces

number of electrical connections	
<ul style="list-style-type: none"> <li>for internal network</li> <li>for external network</li> </ul>	2 1
number of interfaces / according to RS 485	1
number of electrical connections	
<ul style="list-style-type: none"> <li>for power supply</li> </ul>	2
type of electrical connection	
<ul style="list-style-type: none"> <li>for internal network</li> <li>for external network</li> <li>for power supply</li> </ul>	RJ45 port (10/100 Mbit/s, TP, autocrossover), SUB-D RJ45 port (10/100 Mbit/s, TP, autocrossover) Terminal strip

### supply voltage, current consumption, power loss

supply voltage / rated value	10.8 ... 28.8
consumed current	
<ul style="list-style-type: none"> <li>at DC / at 24 V / typical</li> </ul>	0.25 A
power loss [W]	
<ul style="list-style-type: none"> <li>maximum</li> </ul>	8 W
supply voltage / 1 / rated value	24 V

### ambient conditions

ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> </ul>	-20 ... +60 °C -40 ... +85 °C
relative humidity / at 25 °C / during operation / maximum	95 %
protection class IP	IP20

### design, dimensions and weights

design	compact
depth	127 mm
height	147 mm
width	35 mm
net weight	350 g
fastening method	
<ul style="list-style-type: none"> <li>35 mm DIN-rail mounting</li> <li>S7-300 rail mounting</li> <li>S7-1500 rail mounting</li> <li>wall mounting</li> </ul>	Yes Yes Yes Yes

**product features, product functions, product components / general**

product function	
• DynDNS client	Yes
• no-ip.com client	Yes

**product functions / management, configuration, engineering**

product function	
• CLI	Yes
• web-based management	Yes
• MIB support	Yes
• TRAPs via email	Yes
protocol / is supported	
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
type of configuration	Web-based management
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022

**product functions / diagnostics**

protocol / is supported	
• SNMP v1	Yes
• SNMP v2	Yes
• SNMP v2c	Yes
• SNMP v3	Yes
product function	
• statistics Packet Size	No
• statistics packet type	No
• error statistics	No
• SysLog	Yes
• packet filter log	Yes

**product functions / DHCP**

product function	
• DHCP client	Yes
• DHCP server - internal network	Yes

**product functions / routing**

router function	
• NAT (IP masquerading)	Yes
• port forwarding	Yes
• NAT traversal	Yes
• 1:1 NAT	Yes
• DNS cache	Yes

**product functions / security**

suitability for operation / Virtual Private Network	Yes
firewall version	Statefull Inspection
product function	
• password protection	Yes
• packet filter	Yes
• broadcast/multicast/unicast limiter	No
product function	
• broadcast blocking	No
• with VPN connection	IPsec, OpenVPN (as Client)
number of possible connections / with VPN connection	20
type of authentication / with Virtual Private Network / PSK	Yes
protocol / is supported	
• IPsec tunnel and transport mode	Yes
key length	
• 1 / with IPsec AES / with Virtual Private Network	128 bit
• 2 / with IPsec AES / with Virtual Private Network	192 bit
• 3 / with IPsec AES / with Virtual Private Network	256 bit
• with IPsec 3DES / with Virtual Private Network	168 bit
type of Internet key exchange / with Virtual Private Network	

• main mode	Yes
• quick mode	Yes
type of packet authentication / with Virtual Private Network	MD5, SHA-1, SHA-256, SHA-384, SHA-512
IETF profile / with Virtual Private Network / X.509v3 certificate	Yes

**product functions / time**

protocol / is supported	
• NTP	Yes
• SNTp	Yes

**standards, specifications, approvals / Environmental Product Declaration**

Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
• total	280.14 kg
• during manufacturing	29.35 kg
• during operation	250.33 kg
• after end of life	0.46 kg




**further information / internet links**

internet link	
• to website: Selection guide for cables and connectors	<a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a>
• to web page: selection aid TIA Selection Tool	<a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>
• to website: Industrial communication	<a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a>
• to web page: SiePortal	<a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a>
• to website: Image database	<a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a>
• to website: CAx-Download-Manager	<a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a>
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>

**security information**

security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit <a href="http://www.siemens.com/cybersecurity-industry">www.siemens.com/cybersecurity-industry</a> . Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under <a href="https://www.siemens.com/cert">https://www.siemens.com/cert</a> . (V4.7)
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**Approvals / Certificates**

General Product Approval	Environment	Industrial Communication
<a href="#">Declaration of Conformity</a> 	<a href="#">China RoHS</a> 	 <a href="#">PROFINET</a>

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