

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



Transfer rate	
Transfer rate	10 Mbit/s, 100 Mbit/s
Interfaces	
Number of electrical connections	
• for internal network	2
• for external network	1
Number of interfaces / acc. to RS 485	1
Number of electrical connections	
• for power supply	2
Type of electrical connection	
• for internal network	RJ45 port (10/100 Mbit/s, TP, autocrossover), SUB-D
• for external network	RJ45 port (10/100 Mbit/s, TP, autocrossover)
• for power supply	Terminal strip
Signal inputs/outputs	
Number of electrical connections	
• for digital input signals	1
• for digital output signals	1
Type of electrical connection	

- for digital input signals
- for digital output signals

Terminal block

Terminal block

Supply voltage, current consumption, power loss

Supply voltage / Rated value	24 V
Supply voltage / rated value	10.8 ... 28.8
Type of voltage / of the supply voltage	DC
Consumed current / at rated supply voltage / maximum	250 mA
Power loss [W]	
<ul style="list-style-type: none"> • maximum 	8 W

Ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> • during operation • during storage 	-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
Mounting type	
<ul style="list-style-type: none"> • 35 mm DIN rail mounting • S7-300 rail mounting • S7-1500 rail mounting • wall mounting 	Yes Yes Yes Yes

Product features, product functions, product components / general

Product function	
<ul style="list-style-type: none"> • DynDNS client • no-ip.com client 	Yes Yes

Product functions / management, configuration, engineering

Product function	
<ul style="list-style-type: none"> • CLI • web-based management • MIB support • TRAPs via email 	Yes Yes Yes Yes
Protocol / is supported	
<ul style="list-style-type: none"> • Telnet • HTTP 	Yes Yes

• HTTPS	Yes
Type of configuration	Web-based management
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	
<ul style="list-style-type: none"> • 1 / with IPsec AES / with Virtual Private Network 	128 bit
<ul style="list-style-type: none"> • 2 / with IPsec AES / with Virtual Private Network 	192 bit
<ul style="list-style-type: none"> • 3 / with IPsec AES / with Virtual Private Network 	256 bit
<ul style="list-style-type: none"> • with IPsec 3DES / with Virtual Private Network 	168 bit
Type of Internet key exchange / with Virtual Private Network	
<ul style="list-style-type: none"> • main mode 	Yes
<ul style="list-style-type: none"> • 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	
<ul style="list-style-type: none"> • NTP 	Yes
<ul style="list-style-type: none"> • SNTP 	Yes

Further information / Internet-Links

Internet-Link	
<ul style="list-style-type: none"> • to website: Selector for cables and connectors 	http://www.siemens.com/snst
<ul style="list-style-type: none"> • to website: Selector SIMATIC NET SELECTION TOOL 	http://www.siemens.com/snst
<ul style="list-style-type: none"> • to website: Industrial communication 	http://www.siemens.com/simatic-net
<ul style="list-style-type: none"> • to website: Industry Mall 	https://mall.industry.siemens.com
<ul style="list-style-type: none"> • to website: Information and Download Center 	http://www.siemens.com/industry/infocenter
<ul style="list-style-type: none"> • to website: Image database 	http://automation.siemens.com/bilddb
<ul style="list-style-type: none"> • to website: CAx Download Manager 	http://www.siemens.com/cax
<ul style="list-style-type: none"> • to website: Industry Online Support 	https://support.industry.siemens.com

Security information

Security information

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