

Product type designation



Figure similar

SCALANCE M874-2 2.5G

SCALANCE M874-2 2.5G-ROUTER; FOR WIRELESS IP-COMMUNICATION OF ETHERNET- BASED AUTOMATIION DEVICES VIA 2.5G-MOBILE RADIO VPN, FIREWALL, NAT 2-PORT SWITCH 1X DIG. INPUT, 1X DIG. OUTPUT PLEASE NOTE NATIONAL APPROVALS!

Transmission rate

Transfer rate	10 Mbit/s, 100 Mbit/s
<ul style="list-style-type: none"> Transfer rate / for GPRS transmission / with downlink / maximum 	85.6 kbit/s
<ul style="list-style-type: none"> Transfer rate / for GPRS transmission / with uplink / maximum 	85.6 kbit/s
<ul style="list-style-type: none"> Transfer rate / with eGPRS transmission / with downlink / maximum 	236.8 kbit/s
<ul style="list-style-type: none"> Transfer rate / with eGPRS transmission / with uplink / maximum 	236.8 kbit/s

Interfaces

Number of electrical connections	
<ul style="list-style-type: none"> for internal network 	2
<ul style="list-style-type: none"> for external network 	1
<ul style="list-style-type: none"> for power supply 	2
Type of electrical connection	
<ul style="list-style-type: none"> for internal network 	RJ45 port (10/100 Mbit/s, TP, autocrossover)
<ul style="list-style-type: none"> for external network 	SMA antenna socket (50 ohms)
<ul style="list-style-type: none"> for power supply 	Terminal strip

Signal-Inputs/outputs

Number of electrical connections	
<ul style="list-style-type: none"> for digital input signals 	1
<ul style="list-style-type: none"> for digital output signals 	1
Type of electrical connection	

- for digital input signals
- for digital output signals

Terminal block

Terminal block

WAN connection

Type of mobile network / is supported	GSM
Type of mobile wireless service / is supported	GPRS, eGPRS
Operating frequency / for GSM transmission	850 MHz, 900 MHz, 1800 MHz, 1900 MHz

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
Active power loss	
<ul style="list-style-type: none"> • maximum 	8 W

Permitted 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 weight

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 properties, functions, components / general

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

Product functions / management, configuration

Product function	
<ul style="list-style-type: none"> • CLI • web-based management • MIB support • TRAPs via email 	No Yes Yes Yes
Protocol / is supported	

• Telnet	No
• HTTP	Yes
• HTTPS	Yes
Type of configuration	Web-based management

Product functions / Diagnosis

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
Number of possible connections / with VPN connection	20
Type of authentication / with Virtual Private Network / PSK	Yes

Protocol / is supported	
<ul style="list-style-type: none"> • IPsec tunnel and transport mode 	Yes
Key length	
<ul style="list-style-type: none"> • with IPsec DES / with Virtual Private Network 	56 bit
<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
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

Standards, specifications, approvals

Certificate of suitability	
<ul style="list-style-type: none"> • CE marking 	Yes
<ul style="list-style-type: none"> • Railway application in accordance with EN 50155 	No

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: Mobile radio national approval 	www.siemens.de/mobilfunkzulassungen
<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/automation/net/catalog
<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

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)

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