SIEMENS

Product type designation	**SCALANCE M874-3 3G**
	SCALANCE M874-3 3G-ROUTER; FOR WIRELESS IP-COMMUNICATION OF ETHERNET- BASED AUTOMATIION DEVICES VIA 3G-MOBILE RADIO HSPA+, VPN, FIREWALL, NAT 2-PORT SWITCH 1X DIG. INPUT, 1X DIG. OUTPUT PLEASE NOTE NATIONAL APPROVALS!

Figure similar

Transmission rate

Transfer rate	10 Mbit/s, 100 Mbit/s
• Transfer rate / for GPRS transmission / with downlink / maximum	85.6 kbit/s
• Transfer rate / for GPRS transmission / with uplink / maximum	85.6 kbit/s
• Transfer rate / with eGPRS transmission / with downlink / maximum	236.8 kbit/s
• Transfer rate / with eGPRS transmission / with uplink / maximum	236.8 kbit/s
• Transfer rate / with UMTS transmission / with downlink / maximum	14.4 Mbit/s
• Transfer rate / with UMTS transmission / with uplink / maximum	5.76 Mbit/s

Interfaces

Number of electrical connections	
• for internal network	2
• for external network	1
• for power supply	2
Type of electrical connection	
• for internal network	RJ45 port (10/100 Mbit/s, TP, autocrossover)
• for external network	SMA antenna socket (50 ohms)
• 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	Terminal block
• for digital output signals	Terminal block

WAN connection

Type of mobile network / is supported	GSM, UMTS
Type of mobile wireless service / is supported	GPRS, eGPRS, HSPA+
Operating frequency / for GSM transmission	850 MHz, 900 MHz, 1800 MHz, 1900 MHz
Operating frequency / with UMTS transmission	800 MHz, 850 MHz, 900 MHz, 1900 MHz, 2100 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	
• maximum	8 W

Permitted ambient conditions

Ambient temperature	
• during operation	-20 ... +60 °C
• during storage	-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	
• 35 mm DIN rail mounting	Yes
• S7-300 rail mounting	Yes
• S7-1500 rail mounting	Yes
• wall mounting	Yes

Product properties, functions, components / general

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

Product functions / management, configuration

Product function	

• CLI	No
• web-based management	Yes
• MIB support	Yes
• TRAPs via email	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	
• IPsec tunnel and transport mode	Yes
Key length	
• with IPsec DES / with Virtual Private Network	56 bit
• 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
IETF profile / with Virtual Private Network / X.509v3 certificate	Yes

Product functions / Time

Protocol / is supported	
• NTP	Yes
• SNTP	Yes

Standards, specifications, approvals

Certificate of suitability	
• CE marking	Yes
• Railway application in accordance with EN 50155	No

Further Information / Internet Links

Internet-Link	
• to website: Selector for cables and connectors	http://www.siemens.com/snst
• to website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
• to website: Mobile radio national approval	www.siemens.de/mobilfunkzulassungen
• to website: Industrial communication	http://www.siemens.com/simatic-net
• to website: Industry Mall	https://mall.industry.siemens.com

• to website: Information and Download Center	http://www.siemens.com/automation/net/catalog
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx Download Manager	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com

Security information

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