SIEMENS

Data sheet

6GK5874-3AA00-2AA2

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 /	95 %	
maximum		
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 web-based management wes MB support TRAPs via email Ves Protocol / is supported Tenet No HTTP HTTP HTTP HTTPS Yes Type of configuration Veb-based management Product functions / Diagnosis Protocol / is supported SNMP v1 SMMP v1 SMMP v2 SMMP v2 SMMP v2 SMMP v3 Product function Statistics Packet Size No Statistics Packet Size No Statistics packet type No Error statistics SysLog Packet Filter Log Product function OHCP client Product functions NAT traversal Yes Product functions / Nouling Router function NAT traversal Yes Product functions / Security Sultability for operation / Virtual Private Network Product functions / Security Sultability for operation / Virtual Private Network Product function Product function Password protection Product functions		
• MIB support Yes • TRAPs via email Yes Protocol / is supported • Telnet No • HTTP Yes • HTTP Yes • HTTPS Yes Type of configuration Web-based management Product functions / Diagnosis Protocol / is supported • SMMP v1 Yes • SNMP v2 Yes • SNMP v2 Yes • SNMP v2 Yes • SNMP v3 Yes Product function • Statistics Packet Size No • Statistics Packet Size No • Statistics packet type No • Error statistics • No • Error statistics • No • Product function / DHCP Product functions / Routing Router Auction • NAT (IP masquerading) Yes • NaT traversal Yes • NAT traversal Yes • NAT traversal Yes • NAT traversal Yes • Product functions / Security Suitability for operation / Virtual Private Network Yes Product functions / Security Suitability for operation / Virtual Private Network Yes Product function / Peasword protection • Password protection	• CLI	No
Protocol / is supported * Telnet * Telnet * HTTP * HTTP * HTTP * HTTPS * Yes Type of configuration * Product functions / Diagnosis Protocol / is supported * SNMP v1 * SNMP v2 * SNMP v2 * SNMP v2 * SNMP v3 * SNMP v3 * Statistics Packet Size * Statistics packet type * Statistics packet type * Statistics packet type * SysLog * Packet Filter Log * Product functions / DHCP Product functions * DHCP client * DHCP client * DHCP server - internal network * Yes * Product functions / Routing * NAT (IP masquerading) * Pack Ture versal * It NAT * DNS cache * Product functions / Security * Suitability for operation / Virtual Private Network * Product functions / Statefull Inspection * Product functions / Security * Suitability for operation / Virtual Private Network * Yes * Firewall version * Password protection * Password protection	• web-based management	Yes
Protocol / is supported • Telnet • HTTP • HTTPS Yes HTTPS Type of configuration Product functions / Diagnosis Protocol / is supported • SNMP v1 • SNMP v2 • SNMP v2 • SNMP v2 • SNMP v3 Product function • Statistics Packet Size • No • Statistics packet type • In one of the control of the c	MIB support	Yes
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• HTTP • HTTPS Yes Type of configuration Product functions / Diagnosis Protocol / is supported • SNMP v1 • SNMP v2 • SNMP v2 • SNMP v2 • SNMP v3 • SNMP v3 • Statistics Packet Size • Statistics Packet Size • Statistics packet type • Error statistics • SysLog • Packet Filter Log Product function • DHCP client • DHCP client • DHCP server - internal network Product function • NAT (IP masquerading) • Pat forwarding • Pot forwarding • Pot forwarding • Pot Scache Product functions / Security Suitability for operation / Virtual Private Network Firewall version Product function • Password protection	Protocol / is supported	
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SNMP v1 SNMP v2 SNMP v2c SNMP v3 Yes SNMP v3 Yes Product function Statistics packet Size No Statistics packet type Fraction of the control		
SNMP v2 SNMP v3 Product function Statistics Packet Size No Statistics packet type No Error statistics SysLog Product functions / Pessent filter Log Product functions / DHCP Product functions / DHCP Product functions / DHCP Product functions / Pessent Pesse	Protocol / is supported	
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Product function • Statistics Packet Size • Statistics packet type • Error statistics • SysLog • Packet Filter Log Product functions / DHCP Product function • DHCP client • DHCP server - internal network Product function • NAT (IP masquerading) • Port forwarding • NAT traversal • 1:1 NAT • DNS cache Product functions / Security Suitability for operation / Virtual Private Network Product function • Password protection • packet filter • Broadcast/Multicast/Unicast Limiter No	• SNMP v2c	Yes
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Product function • DHCP client • DHCP server - internal network Product functions / Routing Router function • NAT (IP masquerading) • Port forwarding • NAT traversal • NAT traversal • 1:1 NAT • DNS cache Product functions / Security Suitability for operation / Virtual Private Network Firewall version Product function • Password protection • packet filter • Broadcast/Multicast/Unicast Limiter Yes Yes Yes Yes Yes Yes Yes Password Productions / Yes Password Production • Passwo	Packet Filter Log	Yes
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Product functions / Security Suitability for operation / Virtual Private Network Firewall version Product function Product function Password protection packet filter Broadcast/Multicast/Unicast Limiter Yes No	NAT traversal	Yes
Product functions / Security Suitability for operation / Virtual Private Network Firewall version Product function Product function Password protection packet filter Broadcast/Multicast/Unicast Limiter Yes No	• 1:1 NAT	Yes
Suitability for operation / Virtual Private Network Firewall version Product function Password protection packet filter Broadcast/Multicast/Unicast Limiter Yes No	DNS cache	Yes
Firewall version Product function Password protection packet filter Broadcast/Multicast/Unicast Limiter Statefull Inspection Yes Yes No	· ·	
Product function Password protection packet filter Broadcast/Multicast/Unicast Limiter Password protection Yes Yes No		
 Password protection packet filter Broadcast/Multicast/Unicast Limiter Yes No 		Statefull Inspection
 packet filter Broadcast/Multicast/Unicast Limiter No 		
Broadcast/Multicast/Unicast Limiter No	 Password protection 	
	• packet filter	
Product function	 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	V
• 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
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• to website: CAx Download Manager

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Security information

Security information

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