

product type designation



M876-3 3G (ROK)

SCALANCE M876-3 3G router ROK; for wireless IP communication from Ethernet-based automation devices via 3G mobile radio optimized for usage in Republic of Korea, HSPA+, VPN, Firewall, NAT; 4-port switch; Antenna diversity; 1x digital input, 1x digital output; observe national approvals.

transfer rate	
transfer rate / for Industrial Ethernet	10 Mbit/s, 100 Mbit/s
transfer rate	
<ul style="list-style-type: none"> for GPRS transmission / with downlink / maximum 	85.6 kbit/s
<ul style="list-style-type: none"> for GPRS transmission / with uplink / maximum 	85.6 kbit/s
<ul style="list-style-type: none"> with eGPRS transmission / with downlink / maximum 	236.8 kbit/s
<ul style="list-style-type: none"> with eGPRS transmission / with uplink / maximum 	236.8 kbit/s
<ul style="list-style-type: none"> with UMTS transmission / with downlink / maximum 	14.4 Mbit/s
<ul style="list-style-type: none"> with UMTS transmission / with uplink / maximum 	5.76 Mbit/s
interfaces	
number of electrical connections	
<ul style="list-style-type: none"> for internal network 	4
<ul style="list-style-type: none"> for external network 	2
number of electrical connections	
<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 antenna(s) 	SMA antenna socket (50 ohms)
<ul style="list-style-type: none"> for power supply 	Terminal strip
WAN connection	
type of wireless network / is supported	UMTS, GSM
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
consumed current	
<ul style="list-style-type: none"> at DC / at 24 V / typical 	0.33 A
power loss [W]	
<ul style="list-style-type: none"> maximum 	8 W
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> during operation 	-20 ... +60 °C
<ul style="list-style-type: none"> during storage 	-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	389 g
fastening method	
• 35 mm top hat DIN rail mounting	Yes
• S7-300 rail mounting	Yes
• S7-1500 rail mounting	Yes
• wall mounting	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 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	
<ul style="list-style-type: none"> • IPsec tunnel and transport mode 	Yes
key length	
<ul style="list-style-type: none"> • 1 / with IPsec AES / with Virtual Private Network • 2 / with IPsec AES / with Virtual Private Network • 3 / with IPsec AES / with Virtual Private Network • with IPsec 3DES / with Virtual Private Network 	128 bit 192 bit 256 bit 168 bit
type of Internet key exchange / with Virtual Private Network	
<ul style="list-style-type: none"> • main mode • quick mode 	Yes 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 • SNTp 	Yes Yes
standards, specifications, approvals	
certificate of suitability	
<ul style="list-style-type: none"> • CCC approval 	Yes; GB3836.1, GB3836.8, Ex nA IIC T4 Gc
further information / internet links	
internet link	
<ul style="list-style-type: none"> • to web page: selection aid TIA Selection Tool • to website: Industrial communication • to website: Industry Mall • to website: Information and Download Center • to website: Selection guide for cables and connectors • to website: Image database • to website: CAx-Download-Manager • to website: Industry Online Support 	http://www.siemens.com/tia-selection-tool http://www.siemens.com/simatic-net https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter http://www.siemens.com/snst http://automation.siemens.com/bilddb http://www.siemens.com/cax http://support.automation.siemens.com
security information	
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