

M874-2	
Monitoring / diagnostics / maintenance	• LEDs Display of operating statuses via the LED display. You will find additional information on this in the operating instructions of the device. • Logging Events can be logged for monitoring. • SNMPv1/v2/v3 For monitoring and controlling network components such as routers or switches from a central station.
Other functions	• Time-of-day synchronization – NTP client and NTP server – Secure NTP server – SIMATIC time client – SNTP client • DHCP – DHCP server (local network) • Virtual networks (VLAN) To structure Industrial Ethernet networks with a fast growing number of devices, a physical network can be divided into several virtual sub-nets • Digital input/digital output • Dynamic DNS client • DNS client and DNS proxy • SMTP client

8.2 SCALANCE M874-3

M874-3		
Article number		6GK5 874-3AA00-2AA2
Ethernet interface		
Connection to Industrial Ethernet	Quantity	2
	Design	RJ-45 jack Characteristics: • 10/100BASE-T • Ethernet IEEE 802.3 • 10/100 Mbps
Wireless interface		

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Antenna connector	Quantity	1
	Design	SMA socket (straight)
	Impedance	50 Ω nominal
Frequency bands	UMTS	800 MHz, 850 MHz, 900 MHz, 1800 MHz, 1900 MHz, 2100 MHz
	GSM	850 MHz, 900 MHz, 1800 MHz, 1900 MHz
UMTS with HSPA+	Transmission speed	- HSDPA (downlink): up to 14.4 Mbps - HSUPA (uplink): up to 5.76 Mbps
EGPRS	Properties	Multislot class 12, end device class B - Coding scheme downlink: CS 1 ... 4, MCS 1 ... 9 - Coding scheme uplink: CS 1 ... 4, MCS 1 ... 9
	Transmission speed	- Downlink: up to 237 kbps: - Uplink: up to 237 kbps:
GPRS	Properties	Multislot class 12, end device class B, coding scheme 1 ... 4
	Transmission speed	- Downlink: up to 85.6 kbps. - Uplink: up to 85.6 kbps.
GSM (CSD dial-in)	Properties	Radio Link Protocol (RLP) V.110, non-transparent
	Transmission speed	up to 14.4 kbps
SMS (TX)	Properties	Text mode, SMSoverIP
Electrical data		
Power supply	Quantity	1
	Design	Terminal block, 5-pin
	Properties	Input voltage: 12 to 24 VDC - min. 10.8 VDC, max. 28.8 VDC Maximum power consumption 8 W Maximum cable length < 3 m
Digital input	Quantity	1
	Design	Terminal block, 2-pin
	Properties	Rated voltage 24 VDC Safety Extra Low Voltage (SELV) For state "1": 10 to 30 VDC For state "0": -30 to 3 VDC Maximum input current 8 mA Cables should be routed in pairs Maximum cable length < 30 m Inputs isolated from electronics.

M874-3		
Digital output	Quantity	1
	Design	Terminal block, 2-pin
	Properties	Rated voltage 24 VDC Safety Extra Low Voltage (SELV)
		Relay, internally not current limited Maximum current carrying capacity 1 A Cables should be routed in pairs Maximum cable length < 30 m Output isolated from electronics
Permitted ambient conditions		
Ambient temperature	During operation	Vertical mounting position: • -20 °C ... +60 °C Horizontal mounting position: • -20 °C ... +50 °C
	During storage	-40 °C to +70 °C
	During transportation	-40 °C to +70 °C
Relative humidity	During operation	≤ 95% at 25 °C, no condensation
Design, dimensions and weight		
Module format		Compact module S7-1500
Degree of protection		IP20
Weight		290 g
Dimensions (W x H x D)		34.8 x 150.9 x 134.7 mm
Installation options		• Wall mounting • Mounting on a DIN rail • Installation on S7-300 mounting rail • Installation on S7-1500 mounting rail • Mounting on a pedestal
Mounting position		• Vertical (ventilation openings at the top and bottom) • Horizontal (ventilation openings to the right and left) See Permitted ambient conditions
Product functions		
Configuration / management		• Web Based Management (WBM) via HTTP and HTTPS. • Command Line Interface (CLI) via Telnet and SSH

M874-3	
Security	• Router with NAT function – IP masquerading – NAT – SourceNAT – NETMAP • Password protection • Firewall function – Port forwarding – IP firewall with stateful packet inspection (layer 3 and 4) – Global and user-defined firewall rules - VPN functions – To establish a VPN (Virtual Private Network), the following functions are available – Up to 20 connections – IPsec VPN, OpenVPN (as client) • SINEMA RC client • Proxy server • Siemens Remote Service (SRS)

Country Approvals for mobile network-based Devices

General

- A) EU:** Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Italy, Ireland, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovak Republic, Slovenia, Spain, Sweden
- B) EFTA:** Iceland, Liechtenstein, Norway, Switzerland
- C)** Country approvals also valid for the following European microstates: Andorra, Monaco, San Marino, Vatican

Country-specific notes

- 1) For an import license please contact your local Siemens representative.
- 2) all antennas listed in the related operating instructions can be used
- 3) only M874-3 (CN) - 6GK5874-3AA00-2FA2
- 4) only firmware V4.2.1
- 5) only M876-4

Please be aware that additional local Approvals (e.g. Network Operator) might be necessary for your country!

For further details please contact our Customer Support:
<http://www.siemens.de/automation/support-request>

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<http://www.siemens.com/rfid-approvals>

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