SIEMENS

Data sheet   **6GT2003-0FA00**

product type designation	**RF160B mobile handheld terminal (basic device)**
	SIMATIC RF160B RFID mobile reader basic device for RF200/300 (HF) and RF600 (UHF) with user software and rechargeable battery; without charging/docking station.

suitability for operation	for RFID modules RF360H/RF660H
optical data	
design of image sensor / of the camera	OV5645 (5 MP)
fastening method / of lens	Integrated
type of light source	LED
picture recording frequency / maximum	60 Hz
type of focusing	autofocus
supply voltage, current consumption, power loss	
type of current supply	Battery operation or mains operation via docking station
type of battery	Lithium ion accumulator, fast charging capability
type of battery / as back-up battery / integrated	supercapacitor; 10 F; 2.7 V
battery capacity	6 A·h
operating period / with standard battery / typical	9.5 h
ambient conditions	
ambient temperature	
● during operation	-20 ... +50 °C
● during storage	-20 ... +60 °C
relative humidity / at 25 °C / without condensation / during operation / maximum	90 %
height of fall / maximum	1.2 m
protection class IP	IP65
design, dimensions and weights	
width	82 mm
height	174 mm
depth	28 mm
net weight	0.4 kg
product features, product functions, product components / general	
design of the display	4.8" TFT color display with LED backlight, 1280 x 720 pixels
operator element version	2 keys and touch display
design of acoustic signaling element	micro speaker
design of the interface	WLAN, USB and Ethernet via charging station
storage capacity	
● of the RAM	2000 Mibyte
● of the data and program memory	16000 Mibyte
product functions / management, configuration, engineering	
operating system / pre-installed	Android 9.0, modified
product function / of the software	App for RFID functionality HF+UHF
type of programming	API available
standards, specifications, approvals	

9/20/2024

certificate of suitability	RE Directive 2014/53/EU
reference code	
● according to IEC 81346-2:2019	BYB

accessories

accessories	charging/docking station with USB and Ethernet interface, spare battery , pistol handle

further information / internet links

internet link	
● to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
● to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● to web page: RFID country approval	https://www.siemens.com/rfid-approvals
● to web page: identification and localization systems	https://www.siemens.com/ident
● to website: Industrial communication	https://www.siemens.com/simatic-net
● to web page: SiePortal	https://sieportal.siemens.com/
● to website: Image database	https://www.automation.siemens.com/bilddb
● to website: CAx-Download-Manager	https://www.siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com

security information

security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)

Approvals / Certificates

General Product Approval			Radio Equipment Type Approval Certificate		
UKCA	CE EG-Konf.	EAC	Miscellaneous	FCC	Industry Canada (IC)

Radio Equipment Type Approval Certificate	Dangerous goods	Environment
KC	Dangerous goods information	Confirmation

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