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Data sheet 6GT2813-0CA00

product type designation

RF650M ETSI mobile hand-held terminal

- - spare part - - SIMATIC RF600 Mobile Reader RF650M ETSI, basic device incl. rechargeable battery, including charging unit, UHF, ISO 18000-6C, WLAN 802.11a/b/g/n, Microsoft Windows CE 6.0.



product brand name	SIMATIC RF
suitability for operation	RF600 transponder
range	2500 mm
radio frequencies	
operating frequency	865.6 ... 867.6 MHz
effective radiated power	500 mW
electrical data	
protocol / with radio transmission	EPCglobal Class 1 Gen 2 / ISO 18000-6C
product feature / multitag-capable	Yes
polarization	Linear horizontal, vertical, automatic
supply voltage, current consumption, power loss	
type of current supply	Battery operation or mains operation
type of battery	Li-Polymer accumulator, replaceable
battery capacity	2.26 A·h
operating period / with standard battery / typical	9 h
ambient conditions	
ambient temperature	
● during operation	-20 ... +55 °C
● during storage	-20 ... +60 °C
relative humidity / at 25 °C / without condensation / during operation / maximum	95 %
height of fall / maximum	1.5 m
protection class IP	IP54
design, dimensions and weights	
width	60 mm
height	147 mm
depth	39 mm
net weight	0.24 kg
product features, product functions, product components / general	
design of the display	QVGA color touch screen 2.2 inch, 240 x 320 pixels
operator element version	Alphanumeric
design of acoustic signaling element	Speakers
design of the interface	WLAN, USB and Ethernet via charging station
storage capacity	
● of the RAM	256 Mibyte
● of the data and program memory	288 Mibyte
● of the data memory / can be used	256 Mibyte
product functions / management, configuration, engineering	

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operating system / pre-installed	Windows Embedded CE 6.0
product function / of the software	Record, process, search of ISO 18000-6C transponder
type of programming	Programming with MS Visual Studio 2008 API for several programming languages available
standards, specifications, approvals	
certificate of suitability	EMC: EN 55022, EN 301 489, safety: EN 60950, RF: EN 302 208
MTBF	43 a
accessories	
accessories	Charging/docking station with USB- and Ethernet interface, changeable accumulator Li-Po 2260 mAh / 3,7 V, also included: charging device 100-240 V
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

Declaration of Conformity | CE EG-Konf. | EAC | China RoHS | Manufacturer Declaration | UL

EMV	Dangerous goods
KC	Dangerous goods information

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