SIEMENS

Data sheet	6GT2803-1BA00

Product type designation	**RF350M mobile hand-held terminal** SIMATIC RF300 handheld terminal RF350M; RF300, ISO 15693 and MOBY E; Basic unit Nordic ID Merlin; with integrated RFID read/write unit and user software; Windows CE operating system; with battery; without charging/docking station

Suitability for operation	RF300, RF200/ISO 15693 and MOBY E transponder
Range	80 mm

Radio frequencies

Operating frequency / Rated value	13.56 MHz

Electrical data

Transfer rate / with radio transmission / maximum	106 kbit/s
Product feature / multitag-capable	No

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	Lithium ion battery, permanently installed, cannot be replaced by customer
Battery capacity	2.6 A·h
Operating period / with standard battery / typical	8 h

Ambient conditions

Ambient temperature	
● during operation	-20 ... +55 °C

12/16/2019

• during storage	-20 ... +60 °C
Relative humidity / at 25 °C / without condensation / during operation / maximum	95 %
Height of fall / maximum	1.2 m
Protection class IP	IP54

Design, dimensions and weight

Width	90 mm
Height	250 mm
Depth	47 mm
Net weight	0.6 kg

Product features, product functions, product components / general

Design of the display	QVGA color touch screen 3.5 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

Operating system / pre-installed	Windows Embedded CE 6.0

Standards, specifications, approvals

Certificate of suitability	EMC: EN 55022, EN 301 489, EN 300 330, EN 300 328, EN 301 893, safety: EN 60950

accessories

accessories	Charging/docking station with USB- and Ethernet interface, changeable accumulator Li-ion 2600 mAh / 7,4 V

Further information / Internet-Links

Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	https://support.industry.siemens.com/cs/ww/en/view/67384964
• to website: Industrial communication	http://www.siemens.com/ident/rfid
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx Download Manager	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com
last modified:	12/14/2019