

product type designation



RF650M FCC mobile hand-held terminal

SIMATIC RF600 Mobile Reader RF650M FCC, Basic device incl. rechargeable battery, incl. charging unit, UHF, ISO 18000-6C, WLAN 802.11a/b/g/n, MS-Windows CE 6.0

suitability for operation	RF600 transponder
range	2500 mm
radio frequencies	
operating frequency	902 ... 928 MHz
equivalent isotropically radiated power	820 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	
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, FCC Part 15
MTBF	43 y
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	
<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: Image database • to website: CAx-Download-Manager • to website: Industry Online Support 	https://support.industry.siemens.com/cs/ww/en/view/67384964 http://www.siemens.com/ident/rfid https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter http://automation.siemens.com/bilddb http://www.siemens.com/cax https://support.industry.siemens.com
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