

### 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
<b>Radio frequencies</b>	
Operating frequency	902 ... 928 MHz
Equivalent isotropically radiated power	820 mW
<b>Electrical data</b>	
Protocol / with radio transmission	EPCglobal Class 1 Gen 2 / ISO 18000-6C
Product feature / multitag-capable	Yes
Polarization	Linear horizontal, vertical, automatic
<b>Supply voltage, current consumption, power loss</b>	
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
<b>Ambient conditions</b>	
Ambient temperature	-20 ... +55 °C
• during operation	

• 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	
• to website: Selector SIMATIC NET SELECTION TOOL	<a href="https://support.industry.siemens.com/cs/ww/en/view/67384964">https://support.industry.siemens.com/cs/ww/en/view/67384964</a>
• to website: Industrial communication	<a href="http://www.siemens.com/ident/rfid">http://www.siemens.com/ident/rfid</a>
• to website: Industry Mall	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>
• to website: Information and Download Center	<a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>
• to website: Image database	<a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>
• to website: CAx Download Manager	<a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>

- to website: Industry Online Support

<https://support.industry.siemens.com>

**last modified:**

05/08/2020