# SIEMENS

| Product type designation | RF650M ETSI mobile hand-held terminal |
|---|---|
| | SIMATIC RF600 Mobile Reader RF650M ETSI, 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 | 865.6 ... 867.6 MHz |
| Effective radiant 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

| | |
|---|---|
| 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 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 | 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 |

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