

Product type designation



RF350M mobile hand-held terminal for external antenna

SIMATIC RF300 HANDHELD TERMINAL RF350M; RF300 AND ISO15693; BASIC UNIT NID-MERLIN; WITH INTEGR. RFID-READ-/WRITE UNIT AND USER SOFTWARE; OPERATION SYSTEM WIN CE; FOR EXTERNAL ANTENNA; WITH RECHARGEABLE BATTERY W/O CHARGING- / DOCKING STATION WITHOUT ANTENNA

Suitability for operation	RF300- and RF200/ISO 15693 transponder, in particular for small transponders
Range	80 mm
Range / Note	dependent of the type of external antenna
Wireless frequencies	
Operating frequency / Rated value	13.56 MHz
Electrical data	
Protocol / with radio transmission	RF300-specific, ISO 15693, ISO 18000-3
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

Permitted 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	1.2 m
Protection class IP	IP54

Design, dimensions and weight	
Width	90 mm
Height	250 mm
Depth	47 mm
Net weight	0.6 kg

Product properties, functions, 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 Miabyte
• of the data and program memory	288 Miabyte
• of the data memory / can be used	256 Miabyte

Product functions / management, configuration	
Operating system / pre-installed	Windows Embedded CE 6.0
Product function / of the software	Record, process, search of RF300 and ISO15693-transponders

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, antenna ANT 3, 3S, 8, 12, 18, 30

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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