

Product-type designation

Mobile hand-held terminal RF680M FCC



SIMATIC RF600 MOBILE READER RF680M FCC BASIC
UNIT: PSION WORKABOUT PRO 3 C,
ALPHA-NUMERIC, W/O ACCU,
MS-WINDOWS CE 5.0;
RFID-MODULE: UHF, ISO18000-6C, 500 MW,
FCC

Suitability for installation

RF600 transponder

Wireless frequencies

Operating frequency

- initial value
- final value

902 MHz

928 MHz

Equivalent isotropic radiated power / in accordance with FCC

Electrical data

Range / maximum

600 mm

Protocol / for radio transmission

EPCglobal Class 1 Gen 2 / ISO 18000-6C

Transfer rate / with radio transmission / maximum

400 kbit/s

Product property / multitag-capable

Yes

Polarization

Linear

Supply voltage, current consumption, power loss

Type of current supply

Battery operation or mains operation via docking station

Type of battery

Without rechargeable battery

Type of battery / as back-up battery / integrated

Lithium ion battery, permanently installed, cannot be replaced by customer

Operating period / with standard battery / typical

8 h

Permitted ambient conditions

Ambient temperature

• during operating	-20 ... +50 °C
• during storage	-40 ... +60 °C
Protection class IP	IP54
Height of fall / maximum	1.5 m
Design, dimensions and weight	
Width	92 mm
Height	265 mm
Depth	42 mm
Net weight	0.6 kg
Product properties, functions, components / general	
Design of the display	VGA color touch screen 3.6", 480 x 640 pixels
Design of the control elements	Alphanumeric
Design of acoustic signaling element	Speakers
Design of the interface	Tether port with RS232 and USB 1.1, docking connection with low insertion force (LIF)
Memory capacity	
• of the RAM work memory	256 Mibyte
• of data and program memory	1000 Mibyte
• of the data memory / can be used/available	900 Mibyte
Product functions / management, configuration	
Operating system / pre-installed	Windows Embedded CE 5.0
Product function / of the software	RF610M.exe for execution of RF600 transponders
Standards, specifications, approvals	
Verification of suitability	EMC: EN 55022, EN 301 489, safety: EN 60950, RF: EN 300 220, FCC Part 15, UL/CSA
MTBF	55 a
Accessories	Charging/docking station, WLAN module, barcode scanner
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