

Recognized by the German Regulator
 to act as a Notified Body in accordance with the
 R&TTE Directive 1999/5/EC of 9. March 1999



BNetzA-bS-02/51-54

R&TTE STATEMENT OF OPINION

Registration No. G110570F

Certificate Holder M3 Mobile Co., Ltd.
 M3 Bldg 8F, 14, Teheran-ro 16-gil
 Gangnam-gu, Seoul
 South Korea

Product Designation Portable Data Collection Terminal, Model M3 OX10

Product Description Portable Data Collection Terminal with GSM, WCDMA,
 WiFi, Bluetooth, RFID and GPS function

Manufacturer M3 Mobile Co., Ltd.
 M3 Bldg 8F, 14, Teheran-ro 16-gil
 Gangnam-gu, Seoul
 South Korea

Essential Requirement		Applied Specifications / Standards	Documentary Evidence	Result
Art. 3.1(a)	Health	EN 50360+A1, EN 50566+AC EN 62209-1, EN 62209-2 EN 62311, EN 62479, IEEE 1528	Test Report F690501/RF-SAR002310	conform
Art. 3.1(a)	Safety	EN 60950-1+A11+A1+A12	Test Report F690501/RF-SAF007802 Test Report 11039711 001 Test Report 292254	conform
Art. 3.1(b)	EMC	EN 301 489-1/-3/-7/-17/-24 EN 55022+AC, EN 55024	Test Report F690501/RF-EMC000258(G)	conform
Art. 3.2	Radio	EN 301 511 EN 301 908-1/-2 EN 300 328 EN 301 893 EN 302 291-1/-2 EN 300 440-1/-2	Test Report MDE_CINTE_1107_01 Declaration Module PH8-P Test Report F690501/RF-RTL009266 Test Report F690501/RF-RTL009265 Test Report F690501/RF-RTL009249 Test Reports ER431802AC, ER431802AN Test Report EY431802 Test Report F690501/RF-RTL009249-1 Test Report F690501/RF-RTL009257 Test Report F690501/RF-RTL009258 Test Report F690501/RF-RTL009258-1 Test Report F690501/RF-RTL009277 Test Report F690501/RF-RTL009307	conform


The product shall be marked with the CE conformity marking
 and our Notified Body number as shown on the right.

CE 0678

The scope of evaluation relates to the submitted documents only.

This Statement of Opinion is issued in accordance with Annex IV of the R&TTE Directive 1999/5/EC
 of 9th March, 1999 and is only valid in conjunction with the attached Annex.

Unterleinleiter,
 2015-12-10


 Christoph Schmidt
 Notified Body



Technical Details

Frequency Range:	GSM 900 / DCS 1800 WCDMA Band I: 1920 – 1980 MHz (Uplink) 2110 – 2170 MHz (Downlink) 2412 – 2472 MHz (WiFi 802.11b/g) 5180 – 5240 MHz (WiFi 802.11a – Non DFS) 5260 – 5320 MHz (WiFi 802.11a – DFS) 5500 – 5700 MHz (WiFi 802.11a – DFS) 2402 – 2480 MHz (Bluetooth) 13.56 MHz (RFID) 1575.42 MHz (GPS)
Transmit Power:	2 W (GSM) / 1 W (DCS) 24 dBm (WCDMA) 19.10 dBm EIRP (2.4 GHz WiFi) 19.04 dBm EIRP (5 GHz WiFi) 5.23 dBm EIRP (Bluetooth) -20.65 dB μ A/m at 10 m
Modulation Type:	GMSK (GSM/DCS) QPSK (WCDMA) DSSS, OFDM (WiFi) GFSK, $\pi/4$ DQPSK, 8DPSK (Bluetooth) ASK (RFID)
Hardware Version:	0.1
Software Version:	T3STHV6001EN
GSM Module:	PH8-P
Power Adapter:	STD-05040T ATS090-P120

Technical Construction File (TCF) Details

<i>To demonstrate conformity with Article 3.1(a) Health</i>			
Applied Standards	Version	Applied Standards	Version
EN 50360+A1	2012	EN 62311	2008
EN 50566+AC	2014	EN 62479	2010
EN 62209-1	2006	IEEE 1528	2013
EN 62209-2	2010		
Report or Certificate No.	Issue Date	Issued by	
F690501/RF-SAR002310	2015-12-01	SGS Korea Co., Ltd.	
<i>To demonstrate conformity with Article 3.1(a) Safety</i>			
Applied Standards	Version	Applied Standards	Version
EN 60950-1+A11+A1+A12	2011		
Report or Certificate No.	Issue Date	Issued by	
F690501/RF-SAF007802	2015-12-03	SGS Korea Co., Ltd.	
11039711 001	2015-01-27	TÜV Rheinland Taiwan Ltd.	
292254	2015-08-12	Nemko Taiwan	
<i>To demonstrate conformity with Article 3.1(b) EMC</i>			
Applied Standards	Version	Applied Standards	Version
EN 301 489-1	V1.9.2	EN 301 489-24	V1.5.1
EN 301 489-3	V1.6.1	EN 55022+AC	2011
EN 301 489-7	V1.3.1	EN 55024	2010
EN 301 489-17	V2.2.1		
Report or Certificate No.	Issue Date	Issued by	
F690501/RF-EMC000258(G)	2015-12-01	SGS Korea Co., Ltd.	
<i>To demonstrate conformity with Article 3.2 Spectrum Efficiency</i>			
Applied Standards	Version	Applied Standards	Version
EN 301 511	V9.0.2	EN 302 291-1	V1.1.1
EN 301 908-1	V6.2.1	EN 302 291-2	V1.1.1
EN 301 908-2	V6.2.1	EN 300 440-1	V1.6.1
EN 300 328	V1.8.1	EN 300 440-2	V1.4.1
EN 301 893	V1.7.1		
Report or Certificate No.	Issue Date	Issued by	
MDE_CINTE_1107_01	2011-10-21	7layers AG	
Declaration Module PH8-P	2015-03-23	CETECOM ICT Services GmbH	
F690501/RF-RTL009266	2015-11-19	SGS Korea Co., Ltd.	
F690501/RF-RTL009265	2015-11-19	SGS Korea Co., Ltd.	
F690501/RF-RTL009249	2015-11-10	SGS Korea Co., Ltd.	
ER431802AC	2014-05-16	International Certification Corp.	
F690501/RF-RTL009249-1	2015-12-10	SGS Korea Co., Ltd.	
F690501/RF-RTL009257	2015-11-16	SGS Korea Co., Ltd.	
F690501/RF-RTL009258	2015-11-16	SGS Korea Co., Ltd.	
ER431802AN	2014-05-16	International Certification Corp.	
EY431802	2014-05-16	International Certification Corp.	
F690501/RF-RTL009258-1	2015-12-10	SGS Korea Co., Ltd.	
F690501/RF-RTL009277	2015-11-23	SGS Korea Co., Ltd.	
F690501/RF-RTL009307	2015-12-07	SGS Korea Co., Ltd.	

<i>Declaration of Conformity</i>	
Signed by	Date
Jung Yong-Kwon	2015-12-03
<i>Technical Documentation</i>	
Block diagram	
Parts list	
Component layout	
External / Internal photos	
Schematic diagram	
User Manual	