

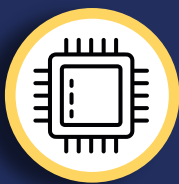
INFINITY EX 72 PLUS



Intrinsically safe Mobile Phone for Zone 1/21 and Div. 1



The Infinity eX 72 PLUS is a Strong & Robust, dust and waterproof industrial mobile phone with the latest hardware and Android operating system. It is ideal for use in ex-tremely tough conditions because it has been tested under military standards. The lone worker protection function and an inbuilt LED torch, as well as the excellent hands-free function, complete the package. Other useful features include the dual Micro SIM and the expandable memory with Micro SD card. Simple operation and long battery life deliver ultimate convenience, while camera and push-to-talk app offer practical advantages in daily use.



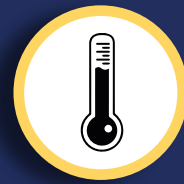
PROCESSOR

Quad Core, MKT



MEMORY

ROM: 64GB RAM: 4GB



OPERATING TEMPERATURE RANGE

-20 °C to +60 °C



OPERATING SYSTEM

Android 8.1 Oreo OS
English and Arabic
Supported



BATTERY

4800 mAh, 3.8V
Replaceable



DIMENSIONS

165 x 81.8 x 18.5MM

EXPLOSION PROTECTION

Marking ATEX	II 2G Ex ib II C T4 Gb IP68
Certification	II 2D Ex ib III C T135°C Db ECM 21 ATEX-B QO58

TECHNICAL DATA

Weight	250 g
Display	5.0 inch FHD IPS 1080*2160 18:9 screen
Multi-touch, points supported	5 points (Multi point + gesture)
CPU	Quad Core
Operating temperature range	-20 °C to +60 °C
Protection class (EN/IEC 60529)	IP 68

Camera **FRONT AND BACK CAMERA REMOVED**

AS PER REQUIREMENT.

Operating system	Android 8.1 Oreo OS
Processo Brand	MTK
Data and working memory	ROM: 64GB RAM: 4GB, LPDDR4X, 1600MHz
Slots	2 Micro SIM MicroSD memory expandable to 128gb
Battery	4800mAh Li-Ion Battery
Wireless communication	WLAN IEEE 802.11 b/g/n Bluetooth Version 4.0 GPS integrated SMS, MMS, E-Mail
Communication	(POP3, IMAP, Microsoft™ Exchange)
Wireless charging function	yes
Other features	Earphones 3,5mm jack type- CTIA FOTA (firmware over-the-air) updates Fingerprint NFC

Scope of delivery	Infinity eX 72 Plus mobile phone with Battery USB charging adapter Headset Screwdriver Manual (safety Instruicions) Screen Protector
-------------------	---

MOBILE STANDARDS/FREQUENCIES

BAND	4G	B1/2/4/5/8/34/39 28A/28B/34/38/39/40/41/BC0/BC1
	3G	B1/2/3/4/5/7/8/12/13/17/18/19/20/25 /26/
	2G	850/900/1800/1900





Certificato di esame UE del tipo

EU-type examination certificate

n. ECM 21 ATEX-B Q058



Rilasciato ai sensi della direttiva 2014/34/UE – Allegato III - Modulo B

Issued according to 2014/34/EU Directive – Annex III - Module B

Richiedente

Applicant

Ragione Sociale / Company Name: AL MUBARAKIYA CORNER EST.
Indirizzo / Address: Shop#6, Al Humaizi Commercial Complex, Khalifa Al Jassim Street, Shuwaikh Industrial Area, Kuwait
Apparecchiatura / Equipment: Infinity Intrinsic Safe Mobile Phone
Modello(i) / Model(s): EX 72 Plus, EX 100 PRO

Questa apparecchiatura o sistema di protezione e le sue eventuali varianti accettate sono descritte nel presente nell'allegato dello stesso. This equipment or protective system and any acceptable variation thereto are described in this Certificate and its Annex.

L'ECM, Organismo Notificato n° 1282 in conformità all'art. 17 della Direttiva 2014/34/UE del Parlamento europeo e del Consiglio del 26 febbraio 2014, certifica che questa apparecchiatura o sistema di protezione verificata secondo la procedura di cui all'allegato III, Modulo B, è conforme ai requisiti essenziali di sicurezza e salute per il progetto e la costruzione di apparecchiature e sistemi di protezione destinati ad essere utilizzati in atmosfere potenzialmente esplosive, definiti nell'allegato II della Direttiva.

ECM, Notified Body No. 1282 in accordance with Article. 17 of Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014, certifies that this equipment or protective system was tested according to the procedure set out in Annex III, Module B, complies with the essential health and safety requirements for the project and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II of the Directive.

Le verifiche ed i risultati di prova sono registrati nel rapporto a carattere riservato n° PRD-2021-Q058. The examination and test results are recorded in confidential report no. PRD-2021-Q058.

I requisiti essenziali di sicurezza e salute sono assicurati dalla rispondenza alle Norme applicate: EN IEC 60079-0:2018, EN 60079-1:2014, EN 60079-28:2015, EN 60079-31:2014, EN 60079-11:2012. The essential health and safety requirements are assured by compliance with applied Standard: EN IEC 60079-0:2018, EN 60079-1:2014, EN 60079-28:2015, EN 60079-31:2014, EN 60079-11:2012.

L'apparecchiatura o il sistema di protezione deve riportare i seguenti contrassegni:

The equipment shall be marked with the following symbols:



II 2G Ex ib IIC T4 Gb



II 2D Ex ib IIIC T135°C Db IP68

Valsamoggia (BO)

Data - Date 27/10/2021

Timbro

Scadenza- Expiry date 26/10/2026



Firma autorizzata

Authorized signature

Amanda Payne
(Deputy Manager)

Questo certificato, incluso l'allegato, può essere riprodotto solo integralmente e senza alcuna variazione.

This certificate, annex included, can only be reproduced in its entirety and without any change.



Allegato I

Annex I

ECM 21 ATEX-B Q058



Rilasciato ai sensi della Direttiva 2014/34/UE – Allegato III – Modulo B

Issued according to 2014/34/EU Directive – Annex III – Module B

Descrizione Prodotto

Description of product

INFINITY INTRINSIC SAFE MOBILE PHONE EX 72 Plus

The Intrinsically safe, Rugged Industrial Smartphone has been designed to use in Explosion Hazardous areas of zone 1 and 21.

The smartphones have following features:

IP68,5.0-inch FHD IPS 1080*2160 screen, Ram:4GB, ROM 64GB, microSD to 128 GB, Wi-Fi dual band, GPS, Support Bluetooth, 4g LTE, Earphones 3.5mm jack type- CTIA, FOTA (firmware over-the-air) updates, Fingerprint, NFC, 2 Micro SIM

Weight: 250g, Android 8.1 Oreo OS, Tested without Front and Back Camera

The smartphone may only be used with the intrinsically safe battery pack MBPBP72+

Li-Ion battery Uo=3,8V (Uo_max = 4.35V) / 4800 mAh 18.24Wh

The smart phone has an USB interface for data transfer & charging.

Wired data connection and charging is only allowed outside explosion hazardous area.

INFINITY INTRINSIC SAFE MOBILE PHONE EX 100 PRO

The Intrinsically safe, Rugged Industrial Smartphone has been designed to use in Explosion Hazardous areas of zone 1 and 21.

The smartphones have following features:

IP68,6.3-inch, screen Resolution 2340*1080, Ram:6GB, ROM 128GB, microSD to 256 GB, Wi-Fi dual band, GPS, Support Bluetooth, 4g LTE, FOTA (firmware over-the-air) updates, Fingerprint, NFC, 2 NANO SIM, Weight: 250 g, Android 10.0

Back Camera: 48MP AI + 16MPr Wide Angle + 5MP Macro +5MP Depth of field, Front Camera: 2400W Pixel.

The smartphone may only be used with the intrinsically safe battery pack MBPBP100PRO

Li-Ion battery 6000mAh

The smart phone has an USB interface for data transfer & charging.

Wired data connection and charging is only allowed outside explosion hazardous area.

Valsamoggia (BO)

Data - Date 27/10/2021

Scadenza- Expiry date 26/10/2026



Firma autorizzata

Authorized signature

Amanda Payne
(Deputy Manager)

THIS CERTIFICATE CAN BE
CHECKED ONLINE ON BELOW
LINK BY ENTERING THE
CERTIFICATE NUMBER:

ECM 21 ATEX-B QO58

[HTTP://CERTIFICATE.ENTECERMA.
IT/EN/CERTIFICATEVERIFICATION
.ASPX#](http://certificate.entecerma.it/en/certificateverification.aspx#)

RoHS

Certificate of Compliance



No. 4Q211027.AMCQ060

Certificate's Holder: AL MUBARAKIYA CORNER EST.
Shop#6, Al Humaizi Commercial Complex, Khalifa
Al Jassim Street, Shuwaikh Industrial Area, Kuwait

Product: Infinity Intrinsic Safe Mobile Phone
Model(s): EX 72 Plus, EX 100 PRO

Verification to: **Standard:**
IEC 62321-3-1:2013,
IEC 62321-4:2013+A1:2017, IEC 62321-5:2013,
IEC 62321-6:2015, IEC 62321-7-1:2015,
IEC 62321-8:2017

Related to Directive(s):
2011/65/EU amended by 2015/863/EU Restriction of
the use of certain hazardous substances (RoHS)

Remark: This document has been issued on a voluntary basis and upon request of the manufacturer. It is our opinion that the technical documentation received from the manufacturer is satisfactory for the requirements of the ECM Certification Mark. The conformity mark above can be affixed on the products accordingly to the ECM regulation about its release and its use.

Additional information and clarification about the Marking:



The manufacturer is responsible for the CE Marking process, and if necessary, must refer to a Notified Body. This document has been issued on the basis of the regulation on ECM Voluntary Mark for the certification of products. RG01_ECM rev.3 available at: www.entecerma.it

Issuance date: 27 October 2021

Expiry date: 26 October 2026

Reviewer
Technical expert
Amanda Payne



Approver
ECM Service Director
Luca Bedonni



Certificate of Compliance

No. 4Q211027.AMCQO59

Certificate's
Holder:

AL MUBARAKIYA CORNER EST.
Shop#6, Al Humaizi Commercial Complex, Khalifa
Al Jassim Street, Shuwaikh Industrial Area, Kuwait

Certification ECM
Mark:



Product:
Model(s):

Infinity Intrinsic Safe Mobile Phone
EX 72 Plus, EX 100 PRO

Verification to:

Standard:
ETSI EN 301 489 -1 V2.2.3 (2019-11),
ETSI EN 301 489 -7 V1.3.1 (2005-11),
ETSI EN 301 489 -52 V1.1.0 (2016-11),
EN 300 328 V2.1.1 (2017-01),
ETSI EN 301 511 V12.5.1,
ETSI EN 301 908-1 V11.1.1,
ETSI EN 301 908-2 V11.1.2, EN 62311:2008

related to CE Directive(s):
2014/53/EU (Radio Equipment)

Remark: This document has been issued on a voluntary basis and upon request of the manufacturer. It is our opinion that the technical documentation received from the manufacturer is satisfactory for the requirements of the ECM Certification Mark. The conformity mark above can be affixed on the products accordingly to the ECM regulation about its release and its use.

Additional information and clarification about the Marking:



The manufacturer is responsible for the CE Marking process, and if necessary, must refer to a Notified Body. This document has been issued on the basis of the regulation on ECM Voluntary Mark for the certification of products. RG01_ECM rev.3 available at: www.entecerma.it

Issuance date: 27 October 2021

Expiry date: 26 October 2026

Reviewer
Technical expert
Amanda Payne

Approver
ECM Service Director
Luca Bedonni

Ente Certificazione Macchine Srl

Via Ca' Bella, 243 – Loc. Castello di Serravalle – 40053 Valsamoggia (BO) - ITALY
☎ +39 051 6705141 📠 +39 051 6705156 ✉ info@entecerma.it 🌐 www.entecerma.it