

EU-TYPE EXAMINATION CERTIFICATE

No **0370-UAS-0019**

ISSUED BY	LGAI TECHNOLOGICAL CENTER S.A. - No. 0370 (APPLUS)		
APPLICANT	Autel Robotics Co., Ltd.		
MANUFACTURER (Name and address)	Autel Robotics Co., Ltd. 601,701,801,901, Block B1, Nanshan iPark, No. 1001 Xueyuan Avenue, Nanshan District, Shenzhen, Guangdong, 518055, China		
COMMERCIALISED BY (Brand)	Autel Robotics		
PRODUCT (Model)	EVO Lite, EVO Lite+, EVO Lite 6K Enterprise, EVO Lite 640T Enterprise		
TYPES	MDXM, MDXM2	CLASS / ADD-ON	C1
HW / SW / FMW version	- Aircraft HW: v1.0.0 - EVO Lite, Lite+ FW: V2.0.14 - EVO Lite 6K, 640T Enterprise: V1.0.0.173 - RC EVO Lite (EFA): - FW: v2.0.0.11 - App (iOS): v1.7.25 - App (Android): v1.4.101 - RC EVO Enterprise (EF6-2): - FW: v1.0.1.83 - App (Android): v1.4.106		
APPLICABLE REGULATION	DELEGATED REGULATION (EU) 2019/945 amended by DELEGATED REGULATION (EU) 2020/1058		
DESCRIPTION	<i>EVO Lite, EVO Lite+, EVO Lite 6K Enterprise and EVO Lite 640T Enterprise are C1 UAS with a declared MTOM of 866 g.</i>		
MEETS ESSENTIAL REQUIREMENTS	☐ C0	☒ C1	☐ C2 ☐ C3 ☐ C4 ☐ Direct remote identification add-on ☐ C5 ☐ Accessories kit C5 ☐ C6

This Certificate is valid as long as there are no changes in the state of the Art indicating that the approved radio equipment can no longer meet the essential requirements of Delegated Regulation (EU) 2019/945 or its latest modification and there are no notifications of the approved type that may affect the accordance with the essential requirements of the Delegated Regulation (EU) 2019/945 or its delegated modification.

This document is not valid without its technical annex, whose number matches with the number of this certificate.
The evaluation of the technical documentation delivered is included in the technical file number: 23/36403834.

Bellaterra, 15 July, 2024

Javier Balaguer
Certification Technical Manager
Electrical & Electronics – Spain



Check the validity of this
certificate in our website

The manufacturer, after the completion of the technical documentation, the conformity assessment procedures and the EU Declaration of conformity, may affix the **CE** Marking under his responsibility.



TECHNICAL ANNEX

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A. MODEL DESCRIPTION

A.1. GENERAL INFORMATION ON UNMANNED AIRCRAFT SYSTEMS:

Manufacturing country: CHINA

Brand: Autel Robotics

Commercial designation: EVO Lite, EVO Lite+, EVO Lite 6K Enterprise, EVO Lite 640T Enterprise

Country of commercialization: EU

Class: C1

Application: UAS operation in A1 [OPEN CATEGORY]

A.1.1 TRADE VERSIONS/VARIANTS: MDXM, MDXM2

A.2. FEATURES:

Remote Controller: The RC adopts the Autel SkyLink image transmission technology of Autel Robotics, has strong anti-interference capability and supports the double-emission and double-receiving of 2.4GHz, 5.8GHz and 5.2GHz. It can complete the control and setting of aircraft and camera within at most 12km distance and can display a high-definition picture in mobile device in a real-time manner by Autel Sky.

The Autel Smart Controller SE V2 is installed with the Autel Enterprise Application by default, allowing you to operate and set the aircraft and the gimbal camera and transmit high-definition videos from the gimbal camera in real time. It offers a maximum communication distance of 15 kilometers.

Camera: The gimbal camera of the EVO Lite 6K Enterprise Aircraft is equipped with a 1-inch CMOS image sensor, capable of capturing stable 6K high-definition videos and 20 million pixels photos.

The gimbal camera of the EVO Lite 640T Enterprise Aircraft is equipped with a 1/2-inch CMOS image sensor, capable of capturing stable 48 million pixels photos and infrared photos of 640 x 512 resolution.

The gimbal camera of the EVO Lite Aircraft is equipped with a 1/1.28-inch CMOS image sensor, capable of capturing stable 4K high-definition videos and 50 million pixels photos.

The gimbal camera of the EVO Lite+ Aircraft is equipped with a 1-inch CMOS image sensor, capable of capturing stable 6K high-definition videos and 20 million pixels photos.

A.3. SOFTWARE VERSION(S):

Models : EVO Lite Series

- Equipment name: EVO Lite, EVO Lite+
- HW aircraft: 1.0.0
- Aircraft Firmware: V2.0.14
- Remote Controller Firmware (EFA): V2.0.0.11
- App version (iOS): 1.7.25
- App version (Android): V1.4.101

Models : EVO Lite Enterprise Series

- Equipment name: EVO Lite 6K Enterprise, EVO Lite 640T Enterprise
- HW aircraft: 1.0.0

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- Aircraft Firmware: V1.0.0.173
- Remote Controller Firmware (EF6-2): V1.0.1.83
- App version (iOS): N/A
- App version (Android): V1.4.106

A.4. HARDWARE VERSION(S):

- HW aircraft: 1.0.0

A.5. OTHER COMPONENTS:

Controllers:

- Remote Controller (Model: EFA)
- Remote Controller (Model: EF6-2)

UA accessories and components:

- Smart Battery (Model: MDXM_6175 _1113)
- Propeller (Model: CW and CCW)

B. TEST REPORT.

Standard	Laboratory	Report no.
prEN 4709-001:2024 Edition P 1	Applus (Shanghai) Quality Inspection Co., Ltd.	23/36403833F01
		23/36403833F02
		23/36403011F03
		23/36403833F04
		23/36403833F05
		23/36403833F08
		23/36403833F09
		23/36403833I01
		A+SH245051145
23/36403833F07		
2023_8400_SECAROTA003_EXP		
SUASTAARO002		
EN 4709-002:2023		23/36403833F06
prEN 4709-003:2023 Edition P 1 [February 2023]		23/36403833L01
prEN 4709-004:2023 Edition P 1 [February 2023]	EMTEK (Dongguan) CO., LTD.	A+SH245051145
ISO 3744:2010	Shenzhen Academy of Metrology & Quality Inspection	WT236401248
		WT236401237

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C. RESTRICTIONS (IF POSITIVE)

Restrictions YES ☐ **NO** ☒

Describe restrictions:

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D. ACTIVITIES CARRIED OUT BY THE NB

Technical Documentation Review

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| <ul style="list-style-type: none"> ☒ Complete description of the product and its functionalities including, when applying: <ul style="list-style-type: none"> ☒ External features photographs/illustrations ☒ External markings photographs/illustrations ☒ Internal layout photographs/illustrations ☒ Versions of any SW/FW involved in compliance ☐ Installation instructions ☐ Information about FTS, including technical explanations about means for reducing the UA impact dynamics ☒ Manufacturer's Instructions / User's manual Vr..... <ul style="list-style-type: none"> - EN_EVO Lite Series Aircraft User Manual_V3.0.9 - EN_EVO Lite Enterprise Series Aircraft User Manual_V1.0.8 ☐ List of the harmonised standards applied in full or in part ☒ Conceptual design drawings / sketch / block diagram ☐ List and descriptions of other standards adopted ☒ Bill of Materials (BoM) ☒ Test reports ☒ Address of manufacturer ☒ Explanations of drawings and schemes ☐ Design declarations: <ul style="list-style-type: none"> ☐ Structure ☐ Propellers ☐ Manoeuvring limit loads ☐ Other (indicate below): | <ul style="list-style-type: none"> ☐ Schemes of: <ul style="list-style-type: none"> ☒ Components ☐ Sub-assemblies ☒ Circuits ☐ Results of design calculations and examinations ☒ Information, photographs and drawings of the product labels (class, CE, noise level, etc.) ☒ Block diagram ☐ Manufacturing drawings ☐ Operational description ☒ Test set up photographs ☐ Sound Power's mass production declaration ☐ Risk Assessment ☒ EU Declaration of Conformity ☐ EU Simplified Declaration of Conformity ☐ Materials datasheets ☒ Address of place of storage ☒ Software updates declaration ☒ Supporting evidence for the adequacy of the technical design solution |
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Other activities

- ☒ Review Technical Justifications
- ☒ Analysis report
- ☒ EU type certification issued

This review includes draft standards, deviations from the standards and technical justification for compliance.

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E. ADDITIONAL INFORMATION:

Commission Delegated Regulation (EU) 2019/945, Annex Part 8, Module B.9: The manufacturer shall keep a copy of the EU-type examination certificate, its annexes and additions together with the technical documentation at the disposal of the national authorities for 10 years after the product has been placed on the market.

Commission Delegated Regulation (EU) 2019/945, Annex Part 8, Module B.7: The manufacturer shall inform the notified body that holds the technical documentation relating to the EU-type examination certificate of all modifications to the approved type that may affect the product's conformity with the essential requirements of this Regulation or the conditions for the certificate's validity. Such modifications shall require additional approval and attached to the original EU-type examination certificate.