



1 **EU-TYPE EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: **Sira 16ATEX2016X** Issue: **1**

4 Equipment: **Model EX80 Tablet**

5 Applicant: Getac Technology Corp.

6 Address: 5<sup>th</sup> Fl. Bldg. A 209 Sec. 1  
Nangang Rd.  
Nangang District  
Taipei, 115  
Taiwan

7 This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 Sira Certification Service, notified body number 0518 in accordance with Articles 17 and 21 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN 60079-0:2012/A11:2013      EN 60079-11:2012      EN 60079-28:2015

The above list of documents may detail standards that do not appear on the UKAS Scope of Accreditation, but have been added through Sira's flexible scope of accreditation, which is available on request.

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to Specific Conditions of Use identified in the schedule to this certificate.

11 This EU-Type Examination Certificate relates only to the design and construction of the specified equipment. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.

12 The marking of the equipment shall include the following:



II 1GD

Ex ia op is IIC T4 Ga

Ex ia op is IIIC T135°C Da

Ta = -20°C to +50°C

Project Number 70156850

C Ellaby  
Deputy Certification Manager

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**SCHEDULE**

**EU-TYPE EXAMINATION CERTIFICATE**

**Sira 16ATEX2016X  
Issue 1**

**13 DESCRIPTION OF EQUIPMENT**

The EX80 is a battery-powered tablet, with a touchscreen display, microSIM card reader, LTE/WiFi/RFID communications, camera, flashlight and other options. The battery pack is integral with the unit and is not user-replaceable. The maximum charging voltage (Um) = 12.0 Vdc, which is from a charger supplied by the manufacturer. When in the charging cradle, the EX80 can also download data to a non-powered load, such as a flash drive.

**Variation 1** - This variation introduced the following changes:

- i. The introduction of 'op is' into the dust certification marking.
- ii. Recognition of an alternative colour for the enclosure.
- iii. Removal of 2A charging current limit, the description was amended to reflect this.
- iv. Amendments to the relevant Specific Condition of Use and Condition of Manufacture to permit alternative charging adapters.

**14 DESCRIPTIVE DOCUMENTS**

**14.1 Drawings**

Refer to Certificate Annexe.

**14.2 Associated Sira Reports and Certificate History**

Issue	Date	Report number	Comment
0	05 July 2017	R70054240A	The release of the prime certificate.
1	30 October 2017	R70156850A	The introduction of Variation 1.

**15 SPECIFIC CONDITIONS OF USE** (denoted by X after the certificate number)

- 15.1 The EX80 shall only be charged when in the non-hazardous area, using the adapter specifically supplied by the manufacturer for use with the unit. Charging shall be at an ambient temperature that is within the ambient range of the charger and not outside the range of the EX80.
- 15.2 Data download via the charging cradle shall be only to a device without its own source of power (e.g. a flash drive, memory stick, etc.). Connection to a powered device, such as another computer, is not permitted
- 15.3 While in the non-hazardous area, a microSIM card may be inserted or removed.
- 15.4 The EX80 contains no user-serviceable parts and no attempt should be made by the user to open the battery pack compartment or the main unit.
- 15.5 The EX80 shall only be used in locations where there is a low risk of mechanical impact.

**16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II** (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in the reports listed in Section 14.2.

**17 CONDITIONS OF MANUFACTURE**

- 17.1 The use of this certificate is subject to the Regulations Applicable to Holders of Sira Certificates.
- 17.2 Holders of EU-Type Examination Certificates are required to comply with the conformity to type requirements defined in Article 13 of Directive 2014/34/EU.

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## SCHEDULE

### EU-TYPE EXAMINATION CERTIFICATE

**Sira 16ATEX2016X**  
**Issue 1**

- 17.3 The adapter and cradle supplied with the EX80 shall be approved as SELV equipment complying with the IEC 60950 series, IEC 61010-1, or a technically equivalent standard. The maximum charging voltage shall not exceed 12 Vdc.
- 17.4 The manufacturer shall ensure that the assembly comprising the three current-limiting circuits can limit the steady-state current to a maximum of 2.229 A.

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### Sira Certification Service

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# Certificate Annexe



**Certificate Number:** Sira 16ATEX2016X  
**Equipment:** Model EX80 Tablet  
**Applicant:** Getac Technology (Kunshan) Co. Ltd.

## Issue 0

Drawing no.	Sheets	Rev.	Date (Sira Stamp)	Description
EX80-CSA-000	1 to 7	03	26 Jun 17	General assembly
EX80-CSA-101	1 of 1	01	29 Nov 16	Schematic, button interface
EX80-CSA-102	1 of 1	00	29 Nov 16	Schematic, digital microphone interface
EX80-CSA-103	1 of 1	04	26 Jun 17	Schematic, microSIM interface
EX80-CSA-105	1 of 1	00	29 Nov 16	Schematic, speaker interface
EX80-CSA-106	1 of 1	02	29 Nov 16	Schematic, POGO interface
EX80-CSA-107	1 of 1	00	29 Nov 16	Schematic, LED torch interface
EX80-CSA-108	1 to 3	02	29 Nov 16	Schematic, current limiters
EX80-CSA-111	1 of 1	01	29 Nov 16	BoM, button interface
EX80-CSA-112	1 of 1	01	29 Nov 16	BoM, digital microphone interface
EX80-CSA-113	1 to 3	04	26 Jun 17	BoM, microSIM interface
EX80-CSA-115	1 of 1	01	29 Nov 16	BoM, speaker interface
EX80-CSA-116	1 to 3	02	29 Nov 16	BoM, POGO interface
EX80-CSA-117	1 of 1	01	29 Nov 16	BoM, LED torch interface
EX80-CSA-118	1 to 2	02	29 Nov 16	BoM, current limiters
EX80-CSA-122	1 of 1	01	29 Nov 16	Microphone specification
EX80-CSA-123	1 of 1	00	29 Nov 16	Speaker specification
EX80-CSA-124	1 of 1	01	29 Nov 16	Voltage-enhancing devices
EX80-CSA-131	1 of 1	01	29 Nov 16	Block diagram
EX80-CSA-141	1 to 5	02	29 Nov 16	PCB layout, button interface
EX80-CSA-142	1 to 5	02	29 Nov 16	PCB layout, digital microphone interface
EX80-CSA-143	1 to 9	02	29 Nov 16	PCB layout, microSIM interface
EX80-CSA-144	1 to 9	01	29 Nov 16	PCB layout, LED torch interface
EX80-CSA-145	1 to 15	02	29 Nov 16	PCB layout, speaker interface
EX80-CSA-146	1 to 8	02	29 Nov 16	PCB layout, POGO interface
EX80-CSA-148	1 to 15	02	29 Nov 16	PCB layout, current limiters
EX80-CSA-200	1 of 1	00	29 Nov 16	LTE EM7455 RF module specification
EX80-CSA-201	1 of 1	00	29 Nov 16	AP6234 RF Module
EX80-CSA-202	1 of 1	00	29 Nov 16	TRF7960 RF Module
EX80-CSA-300	1 of 1	03	26 Jun 17	Marking, IECEx/ATEX
EX80-CSA-401	1 of 1	02	29 Nov 16	Schematic, battery pack
EX80-CSA-411	1 to 3	03	16 Mar 17	BoM, battery pack
EX80-CSA-421	1 to 3	02	29 Nov 16	PCB layout, battery pack
EX80-CSA-441	1 to 10	02	29 Nov 16	Assembly, battery pack

## Issue 1

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
EX80-CSA-300	1 of 1	05	23 Oct 17	Marking IECEx/ATEX

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