



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEX Scheme visit www.iecex.com

Certificate No.: IECEX SIR 17.0004X

Issue No: 1

Certificate history:

Status: **Curent**

Issue No. 1 (2019-02-22)

Issue No. 0 (2017-12-04)

Date of Issue: **2019-02-22**

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Applicant: **Aplex Technology Inc.**
15F-1, No. 186
Jian Yi Road
Zhonghe Dist.
New Taipei City
235
Taiwan

Equipment: **Panel PC, Display, or Box PC - AEx-xxxxxx-xx**

Optional accessory:

Type of Protection: **Intrinsically Safe and Type nA**

Marking:

Display and Panel PC series

Ex nA ic IIC T4 Gc

Ta = -20°C to +60°C

Box PC series

Ex nA IIC T4 Gc

Ta = -20°C to +60°C

Approved for issue on behalf of the IECEX

C Ellaby

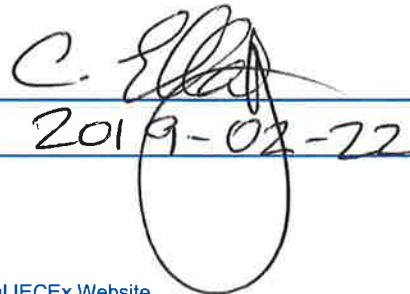
Certification Body:

Position:

Deputy Certification Manager

Signature:

(for printed version)



Date:



1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEX Website](http://www.iecex.com).

Certificate issued by:

SIRA Certification Service
CSA Group
Unit 6, Hawarden Industrial Park
Hawarden, Deeside, CH5 3US
United Kingdom

sira
CERTIFICATION





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Manufacturer: **Aplex Technology Inc.**
2F., No.249, Jian 1st Rd.
Zhonghe Dist.
New Taipei City
23553
Taiwan

Additional Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEX Quality system requirements. This certificate is granted subject to the conditions as set out in IECEX Scheme Rules, IECEX 02 and Operational Documents as amended.

STANDARDS:

The apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-11 : 2011 Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-15 : 2010 Edition:4	Explosive atmospheres - Part 15: Equipment protection by type of protection "n"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

[GB/SIR/ExTR17.0239/00](#) [GB/SIR/ExTR19.0011/00](#)

Quality Assessment Report:

[DE/TUR/QAR16.0005/02](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The AEx-series is a fanless, panel-mounted or stand-alone device for data collection and processing, with a touchscreen display (except model AEx-2410 or AEx-2411). It is housed in a stainless steel enclosure. It has facilities for connection to suitably-certified external devices.

Refer to Annexe for additional EQUIPMENT information.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. In locations where high external humidity and internal temperature variations (e.g. frequent on-off cycles) may cause condensation inside the equipment, the interior should be periodically inspected.
2. When the device is mounted in a hazardous area, connection and disconnection of external connectors while live is only permitted if the potentially explosive atmosphere is shown to be absent.
3. The 9-36Vdc rated supply shall be protected such that transients are limited to a maximum of 119 V; no such protection is required for the signal lines.



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DETAILS OF CERTIFICATE CHANGES (for Issues 1 and above):

Issue 1 - this Issue introduced the following changes:

1. Addition of some components to mainboards and small converting boards.
2. Addition of 3 LCD panel sources.
3. Controlled documents revision.
4. Updating certification code of BOX PC.
5. The marking was amended to recognise the certification codes for the Display and Panel PC series and the Box PC series.

Annex:

[IECEX SIR 17.0004X_Iss 1 Annexe.pdf](#)

Annexe to: IECEx SIR 17.0004X Issue 1

Applicant: Apex Technology Inc.

Apparatus: Panel PC, Display, or Box PC - AEx-xxxxxx-xx



The product is divided into 3 model series: Display, Panel PC, and Box PC

		Display series	Panel PC series		Box PC series
		AEx-1xxPx	AEx-8xxPx	AEx-9xxAPx	AEx-241x
Panel specification	15 inch	AEx-115P	AEx-815P	AEx-915AP	--
	15 inch, high brightness	AEx-115PH	AEx-815PH	AEx-915APH	--
	15.6 inch	AEx-116P	AEx-816P	AEx-916AP	--
	19 inch	AEx-119P	AEx-819P	AEx-919AP	--
	19 inch, high brightness	AEx-119PH	AEx-819PH	AEx-919APH	--
	21.5 inch	AEx-121P	AEx-821P	AEx-921AP	--
	No display	--	--	--	AEx-2410, AEx-2411
		TB-6029	SBC-7111	SBC-7114	SBC-7111 or SBC-7114
Mainboard P/N					

All models are rated 9-36Vdc, 13-3A, 90W maximum.