



Certificate of Compliance

Certificate: 70103845

Master Contract: 268604

Project: 70193278

Date Issued: 2019-07-23

Issued to: **Aplex Technology Inc**
15F-1, No. 186, Jian Yi Road,
Zhonghe Dist., New Taipei City, 235
TAIWAN
Attention: Mr. Tim Chuang

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only



Issued by: *Jeffrey Chen*
 Jeffrey Chen

PRODUCTS

CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations

CLASS 2258 82 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations - Certified to US Standards

Class I, Division 2, Groups A, B, C, D; T4

The AEx-series is an enclosed type, 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. Rated 9-36 Vdc, 13-3 A max, 90W maximum. The products divide into 3 model series, Display, Panel PC and Box PC as below:

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

		Equipment Name / Model Number			
		Display	Panel PC		Box PC
		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	--



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	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					

Notes:

1. The above models are enclosed type, Equipment Class III, Pollution Degree 2, Overvoltage Category II;
2. Mode of operation: Continuous;
3. Environmental Conditions: Normal: 2000 m max,
 Operating temperature: -20°C to +60 °C;
 Humidity: 10 % up to 90 % r.h. (non-condensing).

APPLICABLE REQUIREMENTS

- | | |
|---|---|
| CAN/CSA-C22.2 No. 61010-1-12 | - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements |
| CAN/CSA-IEC 61010-2-201-14 | - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 2-201: Particular requirements for control equipment |
| UL Std. No. 61010-1 (3 rd Edition) | - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements |
| UL Std. No. 61010-2-201 (1st Edition) | Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 2-201: Particular requirements for control equipment |
| CAN/CSA C22.2 No. 213-17 | Nonincendive electrical equipment for use in Class I and II, Division 2 and Class III, Divisions 1 and 2 hazardous (classified) locations |
| UL 121201 (9 th Edition) | Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations |

CONDITIONS OF ACCEPTABILITY

1. The module is panel-mounted, vesa-mounted or wall-mount equipment certified only for installation in other certified equipment or in cabinets where the suitability of the final installation is to be determined by the local inspection authority.



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2. During installation, measures shall be taken in order to ensure that only the front side and connection facilities are accessible to users.
3. Equipment has only been tested for electrical safety. No evaluation of functional safety and performance characteristics have been performed.
4. Power input and output (I/O) wiring shall be accordance with Class I, Division 2 wiring method per the Canadian Electrical Code (CEC) for installation in Canada and per the National Electrical Code (NFPA 70) for installation within U.S.
5. Wiring Compartment shall be installed in a suitable enclosure for Class I, Division 2.
6. 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.
7. 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.
8. 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.



Supplement to Certificate of Compliance

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The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
70193278	2019-07-23	Update report 70103845 to include <ol style="list-style-type: none">1) addition of some components to mainboards and small converting boards;2) addition of 3 LCD panel sources to 15 inch models.3) revised label drawing.
70103845	2017-12-13	Original Certification.