



Type Examination Certificate

- (1)
(2) **Equipment or Protective Systems Intended for Use
in Potentially Explosive Atmospheres
(Directive 94/9/EC)**

(3) Type Examination Certificate Number:

FTZÚ 12 ATEX 0206U

- (4) Component: **Panel PC PS-4700 series (Atom Z510)**
(5) Manufacturer: **Digital Electronics Corporation**
(6) Address: **8-2-52 Nanko higashi Suminoe-Ku Osaka 559/0031, Japan**
(7) This Component and any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
(8) The Physical Technical Testing Institute certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of component intended for use in potentially explosive atmospheres given in Annex II to the Directive 94/9/EC.

The examination and test results are recorded in confidential Report N°:

12/0206 dated 29.10.2012

- (9) Compliance with Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0:2009, EN 60079-15:2010
(10) The sign „U“ placed after the certificate number indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.
(11) This Type Examination Certificate relates only to design, examination and testing of the specified component in accordance to the Directive 94/9/EC. If applicable, further requirements of the Directive apply to the manufacture and supply of this component.
(12) The marking of the component shall include the following:

 **II 3G Ex nA IIA Gc**

This Type Examination Certificate is valid till: **31.10.2017**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: **30.10.2012**

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Physical Technical Testing Institute
Ostrava – Radvanice

(13)

Schedule

(14) **Type Examination Certificate N° FTZÚ 12 ATEX 0206U**

(15) Description of Component:

The component is the non-sparking low power panel computer type PS-4700 series (Atom Z510). It is an embedded HMI system with 15" touch display, stainless steel front material and builds in components, which draws less energy based on its corresponding design and construction.

Parameters:

Input power: 19 W

Mains voltage: 24VDC

Maximum temperature rise of components inside was 42K for maximal ambient temperature 50°C.

(16) Report No.: 12/0206

(17) Schedule of Limitations:

- 17.1 The component shall only be mounted into the enclosure certified according to the standard EN 60079-0 and other relevant standard and provides an ingress protection of at least IP54 and thermal conditions shall be solved.
- 17.2 The metal parts of the component shall be earthed.
- 17.3 Electrostatic charged of the front part shall be evaluated during usage.
- 17.4 Ambient temperature is in range 0°C to 50°C and a maximal service temperature shall be 50°C.
- 17.5 The endurance to light was not tested. The component shall be not exposed to daylight and lighting sources.
- 17.6 The dielectric strength test was not carried out.

(18) Essential Health and Safety Requirements:

Essential health and safety requirement of Directive 94/9/EC are covered by the standard mentioned in (9), according which the component was verified.

(19) List of Documentation:

Technical documentation PS-4700 series (Atom Z510), Final version V2.01 dated 17.09.2012

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 30.10.2012

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FTZÚ, s.p., Pikartská 1337/7, 716 07 Ostrava-Radvanice, Czech Republic,
tel +420 595 223 111, fax +420 596 232 672, ftzu@ftzu.cz, www.ftzu.cz