



Physical Technical Testing Institute, Ostrava-Radvanice

National testing authority No 210

Certification body No. 3051 accredited by ČIA Praha

Certificate No. FTZÚ 12 E 0012U

about verification of electrical apparatus for explosive dust atmospheres

This certificate is issued for component: **Panel PC PS-4700**
(Z510 / N270 / Core 2 Duo)

Applicant: **Digital Electronics Corporation**

Address: **8-2-52 Nanko higashi, Suminoe-Ku, Osaka, 559-0031, Japan**

Above mentioned product and any of its variant are specified in Annex of the certificate and in documentation, list of which is attached in Annex of this certificate.

The examination and test results are recorded in confidential Report No.

12E/0012 dated 25.10.2012

FTZÚ – National testing authority No. 210 confirms, that product comply with requirements following standards:

cl. 5.3, cl. 6.2, cl. 7.2.1 of EN 60079-0:2009,
cl. 6.1.1, cl. 6.1.2, cl. 6.1.3 of EN 60079-31:2009

Manufacturer (or applicant) listed in the certificate is responsible for product conformity assurance in accordance with its specification (documentation) listed in Annex of the certificate and for successful performance of all specified routine tests and verification.

This certificate is valid till: **31.10.2017**

Responsible person:


Dipl. Ing. Lukáš Martinák

Head of certification body



Date of issue: 26.10.2012



Number of pages: 2

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This certificate is valid only for products described in this certificate and doesn't replace any other documents.
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Annex

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Product description:

The Panel PC type PS-4700 is electronic component for data processing. The Panel PC type PS-4700 is mounted in an enclosure, which is not verified with this electronic component.

The Panel PC type PS-4700 is industrial computer system with 15" touch display, stainless steel front material and build in components (PS-4700 (Z510) with one interface card slot, PS-4700 (N270 / C2D) with up to two PCI/PCIe slots).

On the Panel PC type PS-4700 have been measured the maximum temperature rise of components inside 42K for maximal ambient temperature 50°C and carried out the tests: Endurance to heat and cold, impact test, pressure test and IP 65 test.

All mentioned tests have been carried out with conditions described in the confidential Report No.12E/0012 dated 25.10.2012.

Schedule of Limitations:

The Panel PC type PS-4700 must only be mounted into the category 3D enclosures according to the directive 94/9/EC. The assembled unit with an enclosure should be marked:

 II 3D Ex tc IIIA T92°C Dc Tamb: 0°C to +50°C

List of documentation:

Technical documentation PS-4700 Final version V2.01 dated 17.09.2012

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of certification body



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