



# TYPE EXAMINATION CERTIFICATE



## Equipment or Protective System intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

- [3] Type Examination Certificate Number: **DEMKO 19 ATEX 2300X Rev. 4**
- [4] Product: **Open Type Industrial PC (IPC) and Panel Mount Industrial PC with or without Displays**
- [5] Manufacturer: **Intelligent Platforms LLC**
- [6] Address: **2500 Austin Drive, Charlottesville, VA 22911 USA**
- [7] This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- [8] UL International Demko A/S certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014.
- The examination and test results are recorded in confidential report no. **US/UL/ExTR19.0126/04.**
- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
- EN IEC 60079-0:2018      EN IEC 60079-7: 2015 +A1:2018      EN 60079-31:2014**
- except in respect of those requirements listed at item 18 of the Schedule.
- [10] If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.
- [11] This Type examination certificate relates only to the design of the specified product, and not to specific items of product subsequently manufactured.
- [12] The marking of the product shall include the following:

 II 3 G      Ex ec IIC T4 Gc  
 II 3 D      Ex tc IIIC T80°C Dc

**Certification Manager**  
Jan-Erik Storgaard



This is to certify that the sample(s) of the Product described herein ("Certified Product") has been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the ATEX Product Certification Program Requirements. This certificate and test results obtained apply only to the product sample(s) submitted by the Manufacturer. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured product. UL has not established Follow-Up Service or other surveillance of the product. The Manufacturer is solely and fully responsible for conformity of all product to all applicable Standards, specifications, requirements or Directives. The test results may not be used, in whole or in part, in any other document without UL's prior written approval.

**Date of issue:** 2020-03-06

**Re-issued:** 2021-04-12

**Certification Body**

UL International Demko A/S, Borupvang 5A, 2750 Ballerup, Denmark  
Tel. +45 44 85 65 65, [info.dk@ul.com](mailto:info.dk@ul.com), [www.ul.com](http://www.ul.com)



[13]

[14]

# Schedule

## TYPE EXAMINATION CERTIFICATE No.

### DEMKO 19 ATEX 2300X Rev. 4

[15]

Description of Product:

These devices are panel mount industrial computers (IPC) or Human Machine Interface (HMI) Industrial Display Products when mated with the display. The IPC's are open-type PC's utilizing a programmable memory for internal storage of user-oriented instructions for controlling various industrial equipment through digital or analog inputs or outputs. The IPC's are intended for mounting inside a suitable enclosure. The HMI products, IPC with displays, are intended for through-panel mounting in an enclosure for industrial control applications; they feature a touchscreen displays of various sizes.

Ex ec IIC T4 Gc is for R2L0N series only

Ex ec IIC T4 Gc and Ex tc IIIC T80°C Dc are for all models EXCEPT R2L0N series and they must use with display accessory IC758C series for "tc" marking.

Open Type Industrial PC (IPC) without Display –

RXi2 – Industrial PC; Part No. R2L0N, followed by 1 or 2, followed by A or B, followed by any number 0-9, followed by A, B, C, D, or E, followed by D or blank.

Panel Mount Industrial PC with Display -

RXi – Panel PC, Industrial PC with display; Part No. IC758, followed by C or R, followed by S or O, followed by S or W, followed by A, B, or C, followed by 07, 10, 12, 15, 19, or 24, followed by PC or PCX, may be followed by 64, 128, 256 or 512, followed by any letter A-Z or Blank..

RXi – Web HMI Panel, Industrial PC with display; Part No. IC757, followed by C or R, followed by S or O, followed by S or W, followed by 07, 10, 12, 15, 19, or 24, followed by WHMI, followed by any letter A-Z or Blank.

RXi – Industrial Monitor, Industrial PC with display; Part No. IC756, followed by C or R, followed by S or O, followed by S or W, followed by 07, 10, 12, 15, 19, or 24, followed by IM.

QuickPanel-XP View, Industrial PC with display: Part No IC760, followed by C or R, followed by S or O, followed by S or W, followed by 07, 10, 12, 15, 19, or 24, followed by CDA, followed by any letter A-Z or Blank.

QuickPanel-XP View & Control, Industrial PC with display: Part No. IC761, followed by C or R, followed by S or O, followed by S or W, followed by 07, 10, 12, 15, 19, or 24, followed by CON, followed by any letter A-Z or Blank.

QuickPanel+ Industrial PC with display: Part No. IC755, followed by C or R, followed by S or O, followed by S or W, followed by 07, 10, 12, 15, 19, or 24, followed by CDA or CDB, followed by any letter A-Z or Blank.

LISTED ACCESSORIES:

RXi – Industrial Display; Part No. IC758C, followed by O or S, followed by W, followed by 07, 10, 12, 15, 19, or 24, followed by SCREEN.

RXi2-LP IPC DIN Rail Mounting Bracket Kit; Part No. R2LACCS DINMNT

Note: Model numbers may be followed by a "-", followed by any Alphanumeric characters not impacting product safety.

NOMENCLATURE:

	<u>R2L0N</u>	<u>1</u>	<u>A</u>	<u>1</u>	<u>A</u>	<u>D</u>
I	II	III	IV	V	VI	

I. RXi2 – Industrial PC Series Designation – R2L0N

II. RAM Memory Size  
1: 4GB DDR3  
2: 8GB DDR3

III. Processor type  
A: Dual core 1GHZ  
B: Quad core 1.2GHZ

IV. Operating System  
0: No OS  
1: Windows OS  
2: Ubuntu Server with PACEdge Software  
3-9: Reserved for custom OS

V. SSD Size  
A: 32GB  
B: 64GB  
C: 128GB  
D: 256GB  
E: 512GB



[13]

[14]

## Schedule TYPE EXAMINATION CERTIFICATE No. DEMKO 19 ATEX 2300X Rev. 4

VI. Mounting

Blank: Wall Mounting (Internal to Enclosure only)  
D: DIN Rail Mounting

<u>IC758</u>	<u>C</u>	<u>S</u>	<u>W</u>	<u>A</u>	<u>24</u>	<u>PC</u>	<u>64</u>	<u>A</u>
I	II	III	IV	V	VI	VII	VIII	IX

I. RXi – Panel IPC with Display Series Designation – IC758

II. System type  
C: Complete system  
R: Replacement/upgrade backing (no display provided)

III. Screen Type  
S: Standard Emerson Bezel  
O: Outdoor SLR Emerson Bezel

IV. Screen Configuration  
S: Standard Aspect Ratio  
W: Widescreen

V. RAM Memory Size  
A: 4GB  
B: 8GB  
C: 16GB

VI. Screen Size  
07: 7 inch  
10: 10.4 inch  
12: 12.1 inch  
15: 15 inch  
19: 18.5 inch  
24: 24 inch

VII. Processor–  
PC: Standard  
PCX: Ryzen

VIII. SSD Size  
Blank: 32GB  
64: 64GB  
128: 128GB  
256: 256GB  
512: 512GB

IX. Customer Software  
A-Z: Any alpha character depicting customer specified software  
Blank: Standard pre-loaded software

<u>IC756</u>	<u>C</u>	<u>S</u>	<u>W</u>	<u>24</u>	<u>IM</u>
I	II	III	IV	V	VI

I. RXi - Industrial Monitor Series, IPC with display Designation – IC756

II. System type  
C: Complete  
R: Replacement/upgrade backing (no display provided)

III. Screen Type  
S: Standard Emerson Bezel  
O: Outdoor SLR Emerson Bezel

IV. Screen Configuration  
S: Standard Aspect Ratio  
W: Widescreen

V. Screen Size  
07: 7 inch  
10: 10.4 inch  
12: 12.1 inch  
15: 15 inch  
19: 18.5 inch



[13]

[14]

**Schedule**  
**TYPE EXAMINATION CERTIFICATE No.**  
**DEMKO 19 ATEX 2300X Rev. 4**

24: 24 inch

VI. Panel - IM

<u>IC757</u>	<u>C</u>	<u>S</u>	<u>W</u>	<u>24</u>	<u>WHMI</u>	<u>A</u>
I	II	III	IV	V	VI	VII

I. RXi - Web HMI Panel, IPC with display Series Designation – IC757

II. System type  
 C: Complete  
 R: Replacement/upgrade backing (no display provided)

III. Screen Type  
 S: Standard Emerson Bezel  
 O: Outdoor SLR Emerson Bezel

IV. Screen Configuration  
 S: Standard Aspect Ratio  
 W: Widescreen

V. Screen Size  
 07: 7 inch  
 10: 10.4 inch  
 12: 12.1 inch  
 15: 15 inch  
 19: 18.5 inch  
 24: 24 inch

VI. Panel - WHMI

VII. Customer Software  
 A-Z: Any alpha character depicting customer specified software  
 Blank: Standard pre-loaded software

<u>IC760</u>	<u>C</u>	<u>S</u>	<u>W</u>	<u>24</u>	<u>CDA</u>	<u>A</u>
I	II	III	IV	V	VI	VII

I. QuickPanel-XP View, IPC with display Series Designation – IC760

II. System type  
 C: Complete  
 R: Replacement/upgrade backing (no display provided)

III. Screen Type  
 S: Standard Emerson Bezel  
 O: Outdoor SLR Emerson Bezel

IV. Screen Configuration  
 S: Standard Aspect Ratio  
 W: Widescreen

V. Screen Size  
 07: 7 inch  
 10: 10.4 inch  
 12: 12.1 inch  
 15: 15 inch  
 19: 18.5 inch  
 24: 24 inch

VI. CDA

VII. Customer Software  
 A-Z: Any alpha character depicting customer specified software  
 Blank: Standard pre-loaded software

<u>IC761</u>	<u>C</u>	<u>S</u>	<u>W</u>	<u>24</u>	<u>CDA</u>	<u>A</u>
I	II	III	IV	V	VI	VII

I. QuickPanel-XP View & Control, IPC with display Series Designation – IC761

II. System type



[13]

[14]

## Schedule TYPE EXAMINATION CERTIFICATE No. DEMKO 19 ATEX 2300X Rev. 4

C: Complete  
R: Replacement/upgrade backing (no display provided)

- III. Screen Type  
S: Standard Emerson Bezel  
O: Outdoor SLR Emerson Bezel
- IV. Screen Configuration  
S: Standard Aspect Ratio  
W: Widescreen
- V. Screen Size  
07: 7 inch  
10: 10.4 inch  
12: 12.1 inch  
15: 15 inch  
19: 18.5 inch  
24: 24 inch
- VI. CON
- VII. Customer Software  
A-Z: Any alpha character depicting customer specified software  
Blank: Standard pre-loaded software

IC755    C    S    W    24    CDA    A  
I        II        III        IV        V        VI        VII

- I. QuickPanel+, IPC with display Series Designation – IC755
- II. System type  
C: Complete  
R: Replacement/upgrade backing (no display provided)
- III. Screen Type  
S: Standard Emerson Bezel  
O: Outdoor SLR Emerson Bezel
- IV. Screen Configuration  
S: Standard Aspect Ratio  
W: Widescreen
- V. Screen Size  
07: 7 inch  
10: 10.4 inch  
12: 12.1 inch  
15: 15 inch  
19: 18.5 inch  
24: 24 inch
- VI. CDA or CDB
- VII. Customer Software  
A-Z: Any alpha character depicting customer specified software  
Blank: Standard pre-loaded software

IC758C    S    W    24    SCREEN  
I        II        III        IV        V

- I. Industrial Display Series Designation – IC758C
- II. Screen Type  
S: Standard Emerson Bezel  
O: Outdoor SLR Emerson Bezel
- III. Screen Configuration  
W: Widescreen
- IV. Screen Size  
07: 7 inch  
10: 10 inch  
12: 12 inch  
15: 15 inch  
19: 19 inch



[13]

[14]

## Schedule TYPE EXAMINATION CERTIFICATE No. DEMKO 19 ATEX 2300X Rev. 4

24: 24 inch

V. SCREEN

The optical radiation output of the product with respect to explosion protection, according to Annex II clause 1.3.1 of the Directive 2014/34/EU is covered in this certificate based on Exception 1) to the scope of EN 60079-28:2015 .

Temperature range:

The ambient temperature range is -20 °C to +65 °C.

Electrical data

Series	Supply						IPC with Display Mounting	Tambient "Ta:"
Industrial PC: R2L0N	+24VDC ±10% +24VDC, 1.7 A, 43 W,						N/A	-20 to 65°C
RXi – Web HMI IPC w/ Display	+24VDC ±10%, 1.5 A, 35 W max						IP66	-20 to 65°C
	7in	10in	12in	15in	19in	24in		
	5W, 0.21A	11W, 0.46A	17W, 0.71A	15W, 0.63A	19W, 0.79A	35W, 1.46A		
RXi – Industrial Monitor, IPC w/ Display	+24VDC ±20%, 1.25 A, 30W max						IP66	-20 to 65°C
	7in	10in	12in	15in	19in	24in		
	5W, 0.21A	11W, 0.46A	17W, 0.71A	15W, 0.63A	22W, 0.92A	30W, 1.23A		
QuickPanel-XP View QuickPanel-XP View & Control QuickPanel+ RXi - Panel PC, IPC w/ Display	+24VDC ±10%, 1.7 A, 43W max						IP66	-20 to 65°C
	7in	10in	12in	15in	19in	24in		
	14W, 0.56A	19W, 0.87A	19W, 0.72A	19W, 0.72A	19W, 0.72A	43W, 1.7A		
RXi – Panel PC with Ryzen	+24VDC ±10%, 2.66A, 64W max						IP66	-20 to 65°C
	7in	10in	12in	15in	19in	24in		
	N/A	N/A	55W 2.3A (+-10%)	55W 2.3A (+-10%)	55W 2.3A (+-10%)	64W 2.66A(+10%)		
RXi – Industrial Display (Accessory)	7in	10in	12in	15in	19in	24in	IP66	-20 to 65°C

Routine tests:

Routine Dielectric tests according to EN 60079-7 cl. 7.1 are required,

[16]

Descriptive Documents

The scheduled drawings are listed in the report no. provided under item no. [ 8 ] on page 1 of this Type Examination Certificate.

[17]

Special Conditions of Use:

- The equipment shall only be used in an area of at least pollution degree 2, as defined in EN 60664-1.
- For Gas Group IIC, The open type equipment shall be installed in an enclosure with tool removable door or cover that provides a degree of protection not less than IP 54 in accordance with EN 60079-0.
- The equipment with displays shall be installed on the flat surface of an end equipment enclosure with tool removable door or cover that provides a degree of protection not less than IP 64 in accordance with EN 60079-0.
- Provisions shall be made to prevent the rated voltage from being exceeded by transient disturbances of more than 140%.
- For 7 inch display equipment must be installed in a low risk mechanical danger environment.
- For all models EXCEPT R2L0N series, must use with display accessory IC758C series for "tc" marking.
- For Dust Group IIC, the product shall be installed through an EPL Dc end-equipment enclosure for the applicable Dust Group IIC, Temperature classification, T80°C and provide a degree of protection not less than IP 64 in accordance with EN 60079-0.
- Panel wall thickness, 16 to 7 Gauge (1.6 to 5mm)
- Panel cutout dimensions(mm) must be within ±0.5 mm, 7 Inch Display - 183.5 x 128.5; 10 Inch Display - 255.5 x 174; 12 Inch - 317 x 214.5; 15 Inch - 398 x 245.5; 19 Inch - 482 x 297; 24 Inch - 581 x 360.
- Torque specification for clamps screws, 13 to 13.9 in-lbs. (15 to 16kgf-cm).
- Gasketed joints shall not be opened or used as an access door to the end equipment enclosure.

[18]

Essential Health and Safety Requirements

The Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9.



[13]

[14]

**Schedule**  
**TYPE EXAMINATION CERTIFICATE No.**  
**DEMKO 19 ATEX 2300X Rev. 4**

Additional information

The all models covered under this certificate except for Models IC758COM, IC757WEBHMI, IC756CONV, and R2L0N series have in addition passed the tests for Ingress Protection to IP 66 for face only in accordance with EN60529:1991+A1:2000+A2:2013.

