



**TYPE APPROVAL CERTIFICATE**  
**No. ELE102722XP**

**This is to certify** that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	<b>Diesel engine safety, control and monitoring system</b>
<i>Type</i>	<b>InteliDrive DCU Marine and the accessories</b>
<i>Applicant</i>	<b>ComAp a.s. U Uranie 1612/14a 170 00 7 Prague CZECH REPUBLIC</b>
<i>Manufacturer</i>	<b>ComAp a.s.</b>
<i>Place of manufacture</i>	<b>U Uranie 1612/14a 170 00 7 Prague CZECH REPUBLIC</b>
<i>Reference standards</i>	<b>Rules for the Classification of Ships - Part C - Machinery, Systems and fire protection - Ch.3, Sect.6, Tab.1.</b>

Issued in **GDAŃSK** on **November 17, 2022**. This Certificate is valid until **November 16, 2027**



  
RINA Services S.p.A.

This certificate consists of this page and 1 enclosure





**TYPE APPROVAL CERTIFICATE**  
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**Enclosure - Page 1 of 2**  
**InteliDrive DCU Marine and the accessories**

**InteliDrive Marine Controller:**

Module Type	Description
<b>InteliDrive DCU Marine</b>	Inteli Drive Control Unit
<b>(ID-MCU-23226590)</b>	Specific customer brand- labeled standard version
<b>ID-RPU</b>	Inteli Drive Redundancy Protection Unit
<b>ID-COM</b>	Inteli Drive Communication Interface
<b>(ID-COM-3818364)</b>	Specific customer brand- labeled standard
<b>I-RB8/I-RB8-231</b>	Relay Board
<b>I-RB16/I-RB16-231</b>	Relay Board
<b>(I-RP-3818362)</b>	Specific customer brand- labeled standard version
<b>InteliVision 8 Marine</b>	8" Color TFT Display Controlled by active buttons
<b>InteliVision 5 CAN Backlit</b>	5,7" Color TFT Display with isolated CAN Bus Interface controlled by active buttons
<b>InteliVision 5 CAN Backlit VOLVO</b>	Specific customer brand- labeled standard
<b>InteliVision 12 Touch OEM</b>	12" touch industrial operator panel equipped with 12,1 color multi-touch screen
<b>InteliVision 13 Touch</b>	13" touch color display for controllers
<b>IS-AIN8</b>	Extension module – 8 Analog Inputs
<b>Inteli AIN8</b>	Extension module – 8 Analog Inputs
<b>Inteli-AOUT8</b>	Extension module – 8 Analog Outputs
<b>IS-BIN 16/8</b>	Extension module – 16 Binary Inputs, 8/0 Binary Outputs
<b>Inteli IO8/8</b>	Extension module - 8 Binary inputs + 8 Binary outputs or 16 Binary inputs + 0Binary outputs(configuration) and 2 Analog outputs
<b>Inteli IO8/8</b>	Updated version HW2 of certified Inteli IO8/8- Extension module 8 Binary inputs+ 8 Binary outputs or 16 Binary inputs + 0Binary outputs(configuration) and 2 Analog outputs
<b>IGS-PTM</b>	Extension module- 8 Binary Inputs, 8 Binary Outputs, 4 Analog Inputs, 1 Analog output
<b>IS-AIN8TC</b>	Extension module – 8 Analog Thermocouple Inputs (configurable)
<b>Inteli AIN8TC</b>	Extension module – 8 Analog Thermocouple Inputs (configurable)
<b>IGL-RA15</b>	External LED Indication Panel
<b>InternetBridge-NT</b>	Internet Bridge- Ethernet Connection (1)
<b>I-LB+</b>	Local Bridge
<b>I-CR</b>	CAN Repeater Module





**TYPE APPROVAL CERTIFICATE**  
No. **ELE102722XP**  
**Enclosure - Page 2 of 2**  
**InteliDrive DCU Marine and the accessories**

Module Type	Description
<b>I-CB</b>	Inteli- Communication bridge- controller interface for other electronic engines like MTU/CAT
<b>I-LBA</b>	Low Battery Adaptor
<b>InteliFieldBus Gateway</b>	Communication Module
<b>InteliGateway 300</b>	Communication gateway with configurable interfaces.

**Note:**

(1) Installation of Radio transmission equipment is allowed, when in compliance with the emission values are required in the IACS UR E10 "Test Specification for Type Approval", at item 19, according to the installation area.

**Reference guide:**

InteliDrive DCU Marine Expandable engine Controller SW ver 2.2.2 (06.2015)  
Accessory Modules\_Extension modules for ID-DCU, IGS-NT gen set or engine controllers 02.2015  
InteliFieldBus Gateway SW version 2.1.0.25, HW version 1.0  
InteliGateway 100, 300 SW version 2.2.0, HW version 1.0  
InteliVision 5 CAN Backlit (09.2012); InteliVision 8 Display (02.2012)  
InteliVision 12 Touch display unit for ComAp controllers\_global guide  
RX66T Group MCSu

**Application Sheet:**

Extending the CAN Bus (04.2008)

**Test Reports**

9/602/2021/Eng EMC Test Report InteliFieldbus Gateway  
9/613/2021-1/Eng Electrical Safety Test Report InteliFieldbus  
81/602/2021/Eng InteliGateway 301 EMC Test Report  
81/613/2021-1/Eng InteliGateway 301; CM2GW301BAB Electrical Safety Test Report  
81/613/2021-2/Eng InteliGateway 301; CM2GW301BAB Electrical Safety Test Report  
224000081 InteliGateway 301 Mechanical Vibration Test Report  
214000148 InteliFieldbus Gateway Mechanical Vibration Test Report  
EZU 210677-01\_01  
EZU 210677-01\_02  
EZU 210979-01\_01  
EZU 211062-01\_01  
EZU 220850-01\_02(1)  
EZU 220850-01\_02  
EZu 221424-01/02 Inteli IO8/8, Inteli AIO9/1 HW2.0.0 Rev.1 Marine EMC  
VUS 9\_602\_2021\_Eng

**Remarks**

1. This certificate replaces and annulus previous Type Approval Certificate ELE389917CS
2. Drawings showing the complete system layout including individual power supply protections and a functional description are to be sent for approval before each delivery on board.

**GDAŃSK November 17, 2022**

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No. **ELE102722XP**  
**Enclosure - Page 3 of 3**  
**InteliDrive DCU Marine and the accessories**

**Auxiliary modules**

Display Module	HW Version	Description	Related Certificate
I-RB 8	1.x	Relay board with 8 relays	RINA ELE102722XP
I-CR	1.x	CAN repeater	RINA ELE102722XP
I-CR-R	1.x	CAN Redundancy Module	N/A
IGL-RA15	1.x	Remote annunciator	RINA ELE102722XP

**Reference guide:**

Accessory Modules Reference Guide for ID-DCU, IGS-NT gen set or engine controllers

**Application Sheet:**

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81/602/2021/Eng InteliGateway 301 EMC Test Report  
81/613/2021-1/Eng InteliGateway 301; CM2GW301BAB Electrical Safety Test Report  
81/613/2021-2/Eng InteliGateway 301; CM2GW301BAB Electrical Safety Test Report  
224000081 InteliGateway 301 Mechanical Vibration Test Report  
214000148 InteliFieldbus Gateway Mechanical Vibration Test Report  
EZU 210677-01\_01  
EZU 210677-01\_02  
EZU 210979-01\_01  
EZU 211062-01\_01  
EZU 220850-01\_02(1)  
EZU 220850-01\_02  
EZU 221424-01/02 Inteli IO8/8, Inteli AIO9/1 HW2.0.0 Rev.1 Marine EMC  
EZU 60350-01\_02  
EZU 60350-01\_02a  
EZU 60350-01\_03  
EZU 60350-01\_04  
EZU 021208-01\_02 InteliGen, InteliMains 1010  
P-VZLUTEST-205/20  
P-VZLUTEST-217/21  
p-VZLUTEST-151/21  
VUS 9\_602\_2021\_Eng

**Remarks**

1. Drawings showing the complete system layout including individual power supply protections and a functional description are to be sent for approval before each delivery on board.

**GDAŃSK November 25, 2022**

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