

Order Form for Device Testing Service (PROFINET pre-certification tests)

Invoice recipient

Company	
Purchaser	
Address	
Country	
Debtor No.	
Project No.	
Phone	
Email	

Device test/pre-certification with ETS from the PNO

	Item number	Device test (pre-certification)	Price EUR net
<input type="checkbox"/>	PNS IRT test	PROFINET IO Device RT/IRT Test, testing of GSDML, diagnostics, alarms, network load test	3,520
<input type="checkbox"/>	PNS RT test	PROFINET IO Device RT Test, CC-B, testing of GSDML, diagnostics, alarms, network load test	2,640
<input type="checkbox"/>	Retest	Limited retest in accordance with the above conformance tests	1,760

We hereby order the above selected device test(s):

Customer

Place, Date

Plain text

Signature



1. Customer details

kumkeo requires the following details, dates and hardware to carry out testing.

1.1 Technical contact person/Desired date of test

Name	
Phone	
Email	
Desired date of test	

1.2 Technical device information

Device:					
Protocol	Number of ports	Medium	Firmware version	Certificate test version	Net load class
PROFINET RT	<input type="checkbox"/> Dual <input type="checkbox"/> Singles	<input type="checkbox"/> Copper <input type="checkbox"/> LWL			<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3
PROFINET IRT	<input type="checkbox"/> Dual <input type="checkbox"/> Singles	<input type="checkbox"/> Copper <input type="checkbox"/> LWL			<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3

1.3 Checklist

Please carefully read the following checklist and ensure that all the required information is provided together with the device. Failure to do so will mean the device test cannot be implemented within the scheduled timeframe. The accredited testing laboratory will later require the same information.

1.3.1 Documentation

Please submit the following documents together with the order in either electronic or paper form. The documents can be either in German or English.

Documentation	Check
Device description file (EDS, GSD, ESI, etc.). DAP (Device Access Point) information is tested, if defined.	<input type="checkbox"/>
Device manual and/or instructions	<input type="checkbox"/>
Mapping of IO data to the hardware. PROFINET: Mapping of the modules/submodules to the slots/subslots.	<input type="checkbox"/>
<ul style="list-style-type: none"> ▪ How are the input data visualized (e.g. LED, display, power on pin etc.)? ▪ How are the output data stimulated (e.g. push button, switch, UART etc.)? 	<input type="checkbox"/>
<ul style="list-style-type: none"> ▪ How can alarms and diagnostics be triggered (e.g. push button etc.)? 	<input type="checkbox"/>
<ul style="list-style-type: none"> ▪ How can the device firmware be updated? 	<input type="checkbox"/>
<ul style="list-style-type: none"> ▪ Where can sync signals be measured? 	<input type="checkbox"/>
<ul style="list-style-type: none"> ▪ Does the device support a 'Fast Startup'/'Quick Connect'? 	<input type="checkbox"/>

1.3.2 Hardware

kumkeo requires the following components to be made available free of charge prior to carrying out testing.

Hardware	Check
The device to be tested (DUT).	<input type="checkbox"/>
External wiring for the <ul style="list-style-type: none"> ▪ Input data display (e.g. LEDs) ▪ Stimulation of output data (e.g. switches, push buttons) ▪ Triggers for alarms and diagnostics 	<input type="checkbox"/>
Adapter on RJ45, if the device has proprietary network connections.	<input type="checkbox"/>
Adapter or cable to carry out firmware updates.	<input type="checkbox"/>
Power supply cable with either a 230V AC plug or 24V DC 4mm banana plug.	<input type="checkbox"/>



1.3.3 Dispatch of the hardware

Please send the required components to the following address:

kumkeo GmbH
PROFINET pre-certification test service
Heidenkampsweg 82a
20097 Hamburg
Germany

CONTACT: service@kumkeo.de

2. General terms and conditions of device test service

kumkeo offers customer device testing at a fixed price. Testing includes the following services:

2.1 Scope of device testing service (PROFINET - pre-certification tests)

- Performance of a device test in accordance with the standards and under application of the respective user association certification tools
- Testing for correct performance of the bus interface
- Testing of start-up behavior, trouble-free run-up
- Examination of device description file
- Diagnosis and alarm activation
- Interoperability tests
- Testing for standard errors (network on/off on IO device/slave and IO controller/master; plus additional standard errors)
- Creation of test log
- A limited retest of a device solely checks for correction of previously established errors

2.2 Device test result

The device test result is a test log that is provided to the customer.

Testing is carried out in-house at kumkeo using our test center equipment, with recourse to qualified experts and in the absence of the customer. If the customer wishes to be present, this must be agreed separately.

As an additional service, kumkeo also offers complete certification testing of customer devices. In this case, kumkeo tests the device using current certification tools and also performs additional steps to enable the product to be tested by the responsible body. kumkeo consequently carries out the commensurate processing and correspondence with the testing authority. This service is not included in the device test service contract and must be ordered separately.



2.3 Note

kumkeo carries out the respective test using suitably qualified personnel and is under no obligation as regards certification success. A positive device test/conformance test does not guarantee successful certification by the accredited test laboratory. Given that the tests are carried out manually and may, to some extent, be interpreted differently by the tester, kumkeo cannot guarantee successful certification. Test performance is subject to service contract law in accordance with Sections 611 et seq. of the German Civil Code (BGB). kumkeo provides no guarantee of certification or approval being granted on the basis of the testing carried out by kumkeo with the responsible certification body, other authorities, inspection offices or similar institutions tasked with inspecting the customer product. No responsibility is assumed for the customer product being free from deficiencies in title or any other defects.

The device test/conformance test service does not include the remedy and elimination of detected problems preventing certification of the customer device. Any subsequent testing and remedy of problems requested by the customer will be invoiced separately and charged according to cost.

2.4 Payment

Our invoices are payable within 14 days of the invoice date, save for where otherwise agreed. We are entitled to assign the claims resulting from this business relationship. All payments are to be made with debt-discharging effect exclusively to the bank account details of Crefo Factoring Nord GmbH, Wandalenweg 8-10, 20097 Hamburg, Germany, to which kumkeo has assigned its current and future claims arising from this contract. Any commensurate retentions of title are also transferred to this institute.

2.5 Liability

Claims for loss/damage are excluded irrespective of the nature of the breach of obligation, including tortious acts, except for in the case of (wrongful) intention or gross negligence. In the event of culpable infringement of essential contractual obligations (cardinal obligations), kumkeo will be liable for negligence, but solely to the level of damage typically foreseeable for the contract. Claims for lost profit, saved expenses, third-party compensation claims or for other indirect consequential loss may not be asserted, save for where a quality feature guaranteed by kumkeo is exclusively intended to protect the purchaser against such loss.

The limitations and exclusions of liability contained in the above clauses shall not apply to claims resulting from fraudulent action, or in the case of liability for guaranteed quality features, claims under the Product Liability Act (Produkthaftungsgesetz), or in the case of loss of life, personal injury or damage to health. The above disclaimer also applies for our employees, workers, representatives and vicarious agents.



2.6 Packaging and shipping

Following the device test, we will return the components in packaging customary for the trade. Acceptance without reservation of the goods by the carrier or shipping agent shall serve as proof of correct packaging. Internal packaging and boxes are charged at cost and will not be taken back. Shipping is effected from our premises. We are entitled, but not obliged, to cover transport insurance at cost price on behalf of the product owner.

2.7 Transfer of risk

Risk passes to the product owner upon the goods leaving our premises. All shipments, including any return shipments, are sent at the risk of the product owner.

2.8 Quality standard

kumkeo maintains a quality management system in accordance with standard DIN EN ISO 9001:2015.

2.9 Miscellaneous provisions

The service contract becomes legally binding solely following written confirmation on the part of kumkeo. Place of performance is Hamburg, Germany. In the absence of alternative statutory provision, legal venue is Hamburg, Germany, insofar as the purchaser is a merchant, legal entity under public law or special fund under public law. Solely applicable is the law of the Federal Republic of Germany, to the exclusion of the UN Convention on Contracts for the International Sale of Goods (CISG).

The invalidity of any individual provision shall be without prejudice to the validity of all remaining provisions. Amendments to the contract are required in writing for legal validity; whereby this formal requirement may only be waived in writing.

