speedgoat
real-time simulation and testing

Speedgoat GmbH
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Lukasiewicz Research Network
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ul. Leopolda 31
40-189 Katowice
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Quotation No.   Q_1223_139663

Date of quotation	19 December, 2023
Quote validity	40 days
Currency code	EUR
Our reference	Janosch Marquart
Exp. delivery time	8-10 weeks after receipt of purchase order
Delivery terms	DDP (Incoterms 2020) Katowice, Poland
Delivery by	TNT Swiss Post
Payment terms	30 days net after delivery and invoice date
Payment method	By wire transfer
Anticipated shipping weight	28 kg
Comments	Academic pricing applied.

Pos	Item-ID	Item description	Qty	Price	Discount	Total
1	109301	**Performance real-time target machine (P3)** Complete, fully assembled, and tested Performance real-time target machine with access to I/O modules at the front side. Including 19" 4U aluminum chassis, integrated AC/DC power supply, low-noise fans, 8 GB Memory, 128 GB SSD, industrial-grade mainboard with 4-core 3.1 GHz Intel Core processor and onboard expansion slots to accommodate up to 7 I/O modules. Onboard communication: 1x Gigabit Ethernet interface for host-target communication, 1x Gigabit Ethernet interface supporting network protocols such as EtherCAT Master, UDP, TCP/IP, XCP Master, Modbus TCP and many more (the supported protocols might depend on the MATLAB release and separately purchased run-time licenses), 2x RS232 serial ports supporting baud rates up to 115.2 kbps, 4x Type-A and 1x Type-C USB ports supporting USB 3.1 Gen 2 (10 Gbps). Operating temperature range: 0 to 60 °C.	1	5,890.00	10.00%	5,301.00
2	109311	**Performance-P3-CPU-4.0GHz-6Core** Replaces the 4-core 3.1 GHz Intel Core with a 6-core 4 GHz Intel Xeon processor, providing maximum performance and scalability to support your real-time application.	1	1,390.00	10.00%	1,251.00
3	109321	**Performance-P3-RAM-32GB** Extends Memory to a total of 32GB	1	990.00	10.00%	891.00
4	109331	**Performance-P3-SSD1TB** Replaces the 128 GB SSD with a 1 TB SSD for additional data logging storage.	1	990.00	10.00%	891.00

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5	2A1356	**IO135-Performance** Low latency 16-bit analog I/O module with 32 x differential simultaneous analog input channels supporting voltage ranges of +/- 10V and +/- 5, 16 x simultaneous sampling single-ended analog output channels supporting voltage ranges of 5V, 10V, 10.8V, +/-5V, +/- 10V, and +/- 10.8V, and 8 x 3.3/5V digital TTL I/O lines individually configurable as input or output. Includes Speedgoat driver blockset for R2023a, I/O cable, and terminal board. Installed in Performance real-time target machine and fully tested.	1	7,890.00	10.00%	7,101.00
6	2B3166	**IO316-100K-Performance** Configurable FPGA-based I/O module with 64 x selectable 3.3V/5V front TTL I/O lines , 64 x 3.3V LVCMOS rear I/O lines compatible with IO3XX-2X signal conditioning I/O modules, 128MB of DDR3 RAM, and Xilinx Spartan 6 chip with 100k logic cells. Includes Speedgoat driver blockset for R2023a, I/O cable, and terminal board. Installed in Performance real-time target machine and fully tested. Rev.A1	1	7,490.00	10.00%	6,741.00
7	20316A	**IO316-32xPWM** I/O Module configuration file containing 32x PWM (TTL) channels, comprehensive documentation including I/O pin mapping and Simulink test model. The proposed I/O pin mapping is also available in reference document Q_137121_20316A.pdf. Includes 30% of discount for purchase of initial configuration file for the proposed I/O module.	1	0.00	0.00%	0.00
8	2E6026	**IO602-2-Performance** Intelligent CAN I/O module with two independent galvanic isolated ports. Each port is software configurable to either support CAN FD or CAN HS. Access to all I/O is via 2 x DSUB9 connectors. Delivery includes loopback test cable. Onboard 120-ohm CAN termination available upon request prior to order. Includes Speedgoat driver blockset for R2023a, I/O cable, and terminal board. Installed in Performance real-time target machine and fully tested.	1	3,790.00	10.00%	3,411.00
9	31CRES	**CAN Termination Resistors** Factory assembled 120 ohm termination resistors for IO602 and IO691 I/O modules. The provided CAN loopback cable contains the 120ohm termination resistor. Termination resistors assembled on all channels	1	0.00	0.00%	0.00
10	205036	**IO503-Performance** 4-port RS232/RS422/RS485 I/O module for baud rates up to 920 kb/s (RS232) and 5.5296 Mb/s (RS422/485). Includes Speedgoat driver blockset for R2023a, I/O cable, and terminal board. Installed in Performance real-time target machine and fully tested.	1	2,990.00	10.00%	2,691.00
11	2A728	**IEC61850 Client/Server Run-Time License** Run-time license allowing one IEC61850 client to communicate with multiple remote IEC61850 servers. It works on all onboard Ethernet interfaces and Ethernet I/O modules. This package also contains an IEC61850 Server Run-Time License. Both licenses are included in the target license file and are bound to the system. They are not interchangeable with other systems.	1	3,090.00	10.00%	2,781.00

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12	2A721	**DNP3 Master/Outstation Run-Time License** Run-time license allowing one DNP3 master to communicate with multiple remote DNP3 outstations. It works on all onboard Ethernet interfaces and Ethernet I/O modules. This package also contains a DNP3 Outstation Run-Time License. Both licenses are included in the target license file and are bound to the system. They are not interchangeable with other systems.	1	2,590.00	10.00%	2,331.00
13	2A724	**Modbus TCP Client/Server Run-Time License** Run-time license allowing one Modbus TCP Client to communicate with multiple remote Modbus TCP Servers. It works on all onboard Ethernet interfaces and Ethernet I/O modules. This package also contains a Modbus TCP Server Run-Time License. Both licenses are included in the target license file and are bound to the system. They are not interchangeable with other systems.	1	2,090.00	10.00%	1,881.00
14	320101	**Speedgoat Fundamentals – Half-Day Web Credit** Jumpstart Web Session **Description** The Getting Started Jumpstart Web Session is an instructor-led course providing an overview of the capabilities of Simulink Real-Time and Speedgoat real-time target machines. This offer includes access to all tutorial material. For an in-depth instruction you may consider our full-day Jumpstart Workshop offerings. **Duration:** Half day **Level:** This workshop is tailored for beginners and intermediate users. **Topics covered:** • Configuration of development PC and real-time target machine • Instrumentation • Optimization of real-time performance • Usage of selected I/O drivers **Prerequisites:** Basic knowledge of MATLAB and Simulink. **Format:** Instructor-led via remote meeting **Location:** Online (live from Central European or US Eastern time zones) **Maximum number of attendees:** 5 **Validity:** This credit must be redeemed within one year of purchase.	1	1,490.00	10.00%	1,341.00
15	308100	**5 Years Systems Software Maintenance and Support Service** Real-time target machines are typically used for many years for a range of projects leveraging the latest MathWorks software technology. The *5-Year Systems Software Maintenance and Support package* provides added protection for your investment by extending the standard 1-Year Service to a total of five years. This package is available at a preferential rate if purchased at the same time as your system. The *Systems Software Maintenance and Support Service* provides access to the latest Speedgoat software compatible with future MathWorks software releases, and professional, technical phone, email and Web support.				4,121.00

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Pos	Item-ID	Item description	Qty	Price	Discount	Total
		The *Systems Software Maintenance and Support Service* can be renewed after the initial period to ensure your investment is well protected over the years to come.				

Packaging & Freight						350.00
Delivery by: TNT Swiss Post						

Total net					**EUR**	**41,083.00**

With best regards,

Janosch Marquart
Technical Sales Engineer / Academia

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