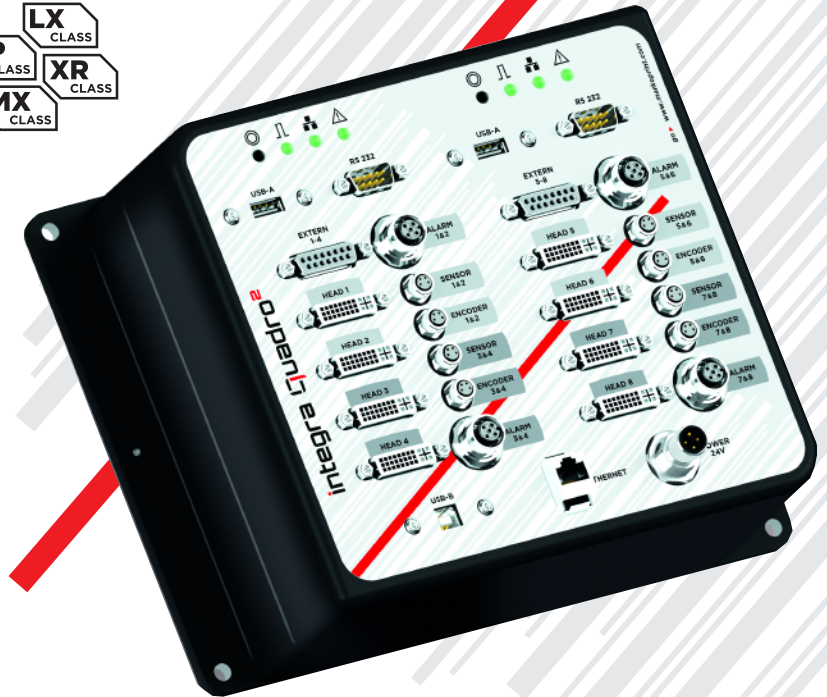


integra Quadro²



Compact and robust Inkjet print controller

- Compact design / low space requirement
- Optimized for integration into the production line
- Control of max. 8 print heads
- Simultaneous operation on four production lines (up to two print heads of the same technology per production line)



More info under:
www.markoprint.com

Professional High Speed System

Markoprint integra Quadro² is an inkjet system controller similar to the integra Quadro, but without user interface.

The print controller can control up to 8 print heads in any combination of printing technologies. Depending on the print technology used, small fonts, large fonts, high speed or coordinated marking requirements via data interface (ERP) can be realized. Integra Quadro² is ideal for applications where data and job information is entered from another source, whether a local PC, network site, PLC or other integrated device.

By controlling up to 8 print heads, integra Quadro² is able to mark packaging on two sides or to mark products on 4 different production lines simultaneously. The system is ideally suited for fixed installation in control cabinets by means of DIN rail mounting. It has a dual-channel controller that can print both primary and secondary packaging simultaneously.

The controller supports 4 different printing technologies: HP class, LX class, MX class and XR class.

Performance data	
Supported printing technologies	HP, LX, MX, XR
Max. number of print heads	8
Max. number of production lines	4
Max. print height:	
HP	100
LX	100
MX	800
XR	568
External sensor	8x
Internal sensor	-
Encoder	4x
Status / Alarm outputs	8x
Potential free outputs	8x
Inputs	16x
USB-A for USB Stick	+
USB Interface	USB B
EIA232	+

Software versions		Advanced	Pro
Max. print speed in m/min at 300 dpi	HP LX MX XR	90/60* 90 90/60* 67/60*	90/180/60* 90/240/90* 90/60* 67/60*
Max. print resolution vertical	HP LX MX XR	300/600 300/600 64/192 180	300/600 300/600 64/192 180
Max. print resolution horizontal		50 to 900 dpi	50 to 900 dpi
Max. text length at 300 dpi		1 meter	3 meter
Text field		+	+
Counter		+	+
Time		+	+
Date		+	+
Date Offset		+	+
Logo		+	+
Variables input		+	+
Action fields		+	+
1D-Code		+	+
2D-Code		+	+
Data transfer per USB C Stick		+	+
Ethernet		+	+
Password protection		-	+
Configurable in-/outputs		+	+
DBPrint		-	+

* recommended barcode applications, + available, - not available
Technical changes reserved at any times

Individual adjustment to the respective requirement

Depending on customer requirements, the integra Quadro² can print with one channel with up to 8 print heads of one print technology, two channels with up to four print heads or four channels with up to two print heads of different print technologies.

Printed images with print heights from 1 mm to 800 mm can be printed with all information, such as product descriptions, graphics, batch or expiration date of the product, on materials of various "qualities".

Freely programmable inputs and outputs and an open software interface ensure simple and optimum integration into the production line.

Thereby it is possible to mount the print controller within a production line and in control cabinets.

Via the idesign software, integra Quadro² can be completely controlled remotely and allows settings to be changed conveniently. The powerful Markoprint idesign software is also available for designing and managing the print layouts. Markoprint integra Quadro² has all the usual interfaces such as Ethernet and USB, via which data is transferred to the print heads 1:1 and can be printed in real time.

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