

X4JET



General Information:

Printing technology:	Thermal Inkjet Technology Piezo Technology
Supported printing technology	HP, LX, MX, XR
Max. Number of printheads	4
Max. number of production lines	2
Weight:	3400 g
Length:	230 mm
Width:	220 mm
Height:	140 mm
Temperature range:	5 to 40°C
Relative humidity, maximum (non-condensing):	10 to 90 %
Maximum operating time:	The device is designed for continuous operating

Special features:

- Optimized for use on production lines with up to 4 print heads
- 4 supported printing technologies
- Flexibly configurable for the application
- Simultaneous operation on 2 production lines (2 print heads of different technologies per production line)
- 5.7" touch screen and keyboard for easy operation
- idesign8+ software not necessary for creating or modifying print images

Restrictions:

- No IP protection
- No integration into the production line
- No WLAN option
- No WEB view

Electrical:	
Voltage power supply	90 bis 240 V AC / 50-60Hz (1~)
Current consumption, max.	0,5 A
Power consumption, max.	100 W
Power consumption Standby	< 18 W
Data interfaces:	
USB A	USB A socket
USB B	USB B socket
Ethernet	RJ45
EIA 232	Sub-D 9 Pole
Connections:	
Input voltage	24V <100mA
Sensor	M8 4-pole
Encoder	M8 4-pole
External	Sub-D 15-pole
Alarm	M12 8-pole

Note: **Supply voltage 24V +- 10%**

The switching threshold of the inputs is $12V \pm 2V$.

The sensors / encoders must be designed for 24V operating voltage. E.g. 24V $\pm 10\%$ or 10V – 30V

The inputs are NPN as standard, but can be rejumped to PNP with the idesign software.

Performance data:	
Cable length in m (other lengths on request)	2
Max. Cable length print head in m	
HP	13
LX/MX/XR	50
Max. length LAN-cable in m	50
Text layout	Foil keyboard on the system / idesign8+ Software
Parameter input	Foil keyboard on the system / idesign8+ Software
Display	TFT display QVGA 5.7" 320x240 pixels with backlight
Fonts	all available Windows fonts print fonts for variable data optional: customer-specific fonts
Print height in mm	
HP/LX printheads	1 to 50
MX printheads	3 to 400
XR printheads	1 to 284
Max. print resolution ¹⁾ in dpi	
HP/LX printheads	900
MX printheads	600
XR printheads	600
Max. vertical print resolution in dpi	
HP/LX printheads	300/600
MX printheads	192/62 (channel)
XR printheads	180
User language Software	German, English, French, Spanish, other on request
Barcodes	EAN 8, EAN 13, EAN 128, 2/5 ITF, 2/5 with check 128, UPC A, UPC E, DUN14, GS1 Databar Omnidir/Expand
2D Codes	GS1-Datamatrix, Datamatrix, QR-Code, PPN Code
Automatic functions	Date, Time, Counter, Variable, customized links ¹⁾
Graphic	Monochrome Bitmap-graphics can be created with Paint for example, or other software
Text storage in GB	Max. 1
Font- and Logo storage in GB	Max. 1
Storage in GB (optional expandable)	32
RAM in MB	64

Max. print speed in m/min HP at 300 dpi HP at 300 dpi HiSpeed ¹⁾ Barcodes	90 180 max. 60
Max. print speed in m/min LX at 300 dpi LX at 300 dpi HiSpeed ¹⁾ Barcodes	90 240 max. 90
Max. print speed in m/min MX at 300 dpi Barcodes	60 60
Max. print speed in m/min XR at 180 dpi Barcodes	67 60
Print direction	L/R or R/L, from top or side. Print from bottom is not possible

¹⁾ Not available in all Markoprint X4JET versions

Connections:

External Sensor	4x
Internal Sensor	-
Encoder	2x
Status / Alarm outputs	4x
Potential free contacts	4x
Inputs	8x
USB A for USBB-Stick	+
USB interface	USB B
EIA232	+

System versions:	Advanced	Pro
Layout length in m	1	3
Text	+	+
Counter	+	+
Time	+	+
Date	+	+
Date offset	+	+
Logos	+	+
Variables	+	+
Action fields	+	+
Barcodes	+	+
2D Codes	+	+
USB-Stick Data transfer	+	+
Ethernet interface	+	+
EIA232	+	+
Password protection	-	+
Configurable in- /outputs	+	+
DBPrint	-	+

Technical Information

Technical drawings integra Quadro²:

