

Xaar Print Manager (XPM)



High performance printhead data management

The Xaar Print Manager (XPM) delivers the **high performance and advanced functionality** expected by designers of today's highly innovative industrial inkjet printers. As single-pass and scanning applications become more complex and users demand that printers handle more and larger images, the performance of the data management system becomes a critical element.

The XPM provides a high speed, reliable data conduit between the processed image data and Xaar printheads. Available in two configurations, the XPM12 and XPM16 provide the **ultimate in scalability and flexibility** allowing integrators to create cost effective solutions. The XPM is a powerful data processing building block meaning there is no limit to the number of printheads that can be supported by a single computer.

Industry standard Gigabit Ethernet connectivity allows off-the-shelf switches and network cards to be used to reliably network XPMs together and enhance performance from the external PC. The proven hardware and software package used with the XPM ensures optimal printhead operation, **reduces time-to-market** and minimises the costs involved with developing industrial printers.

Xaar is a world-leader in the development and manufacture of industrial inkjet technologies with over 25 years' experience. The company is headquartered in the UK, has state-of-the-art manufacturing facilities in the UK and exports its printheads to manufacturers around the world.



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High performance and advanced functionality

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Ultimate in scalability and flexibility

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Reduced time-to-market



XAAR[®]

Xaar Print Manager (XPM)



High performance and advanced functionality

The XPM meets the demand for increased image complexity, fast image download and additional hardware acceleration as printers grow in size and functionality.

- Gigabit Ethernet connectivity supports fast image downloads
- 4 GB of high speed on-board memory for storage of both large and multiple images
- Advanced multi-core processor powers a comprehensive application suite, including variable data support, swathe stitching, resolution adjustment and dynamic grey level conversion for single-pass and scanning applications.

Ultimate in scalability and flexibility

Available in four configurations that can be mixed to create the most cost effective and flexible solution, the XPM uses the industry standard Gigabit Ethernet to reliably support printers with very large numbers of printheads.

- Multi-core processor removes processing bottlenecks to allow a single computer to control printers with hundreds of Xaar printheads

- The XPM can drive 12 or 16 Xaar printheads and can be mixed in a printer as needed
- Multiple XPMs can be easily and reliably networked together using off-the-shelf Ethernet switches
- Multiple Product Detect and Shaft Encoder inputs enable simultaneous parallel printing of different images.

Reduced time-to-market

This proven hardware and software package ensures optimal printhead operation, reduces time-to-market and minimises the costs faced when developing industrial printers.

- Full compatibility with the existing Xaar Scorpion application software facilitates easy migration from XUSB to the XPM
- Modular solution is easy to configure and integrate
- Easy to upgrade when new functionality is released by Xaar.



Xaar 1003



Xaar 2001+

Specification	XPM12 and XPM16
Maximum number of printheads	12 or 16
Printhead types supported	Xaar 1001, Xaar 1002, Xaar 1003, Xaar 501, Xaar 2001 and Xaar 2001+
Print buffering memory	4 GB per XPM
Product detect inputs	4
Shaft encoder inputs	4
Operating modes	Single shot, back to back, fixed gap continuous (all with optional soft stop)
Variable data support	Yes, streaming
Weight	1.14 kg
Dimensions (WxDxH)	280x116x63 mm
Supply voltage*	24-30 V
Supply power rating*	Up to 28 A
Printhead maintenance	Printhead power control and idle spit
Application types	Uni/Bi-directional scanning, single-pass web and labelling
Operating system support	64 bit Windows 7 and Windows 10
Programming interface	XPM Suite (Windows C#DLL)
Part numbers	XP55500032 (4 GB XPM 12 Port) XP55500033 (4 GB XPM 16 Port)

* Dependent on system integration.



XAAR®

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