

XUSB Drive Electronics System



XAAR TECHNOLOGY

Xaar is a world leader in the development and manufacture of piezoelectric drop-on-demand inkjet technologies. Its patented shear mode, shared wall technology incorporates low power modulation and unique acoustic waveforms to deliver exceptionally low levels of internal mechanical stress, resulting in an unsurpassed consistency of quality, reliability and printhead life.

WORKING WITH PARTNERS

Xaar partners with a range of market leading manufacturers to develop a range of specialist high quality inkjet solutions including printheads, inks and easy-to-integrate peripherals.

INTEGRATION MADE EASY

Xaar's XUSB Drive Electronics (DE) System is a flexible, cost-effective, easy-to-integrate solution designed to drive Xaar's complete range of market leading printheads. The XUSB DE minimises the cost and resource issues faced by OEMs and inkjet innovators when developing bespoke printing systems, and thereby drastically reduces time-to-market.

Ideal for use as part of a developer kit or fully integrated into production machines for emerging industrial applications, the compact and robust electronics component can be controlled via a standard PC or laptop to enable quick and easy integration.



XAAR[®]

DRIVING SUCCESS

Xaar's XUSB DE is a key element to the success of the digital inkjet process, providing the conduit between the processed image data and the printhead. Using its extensive industry experience, Xaar has engineered a production specification system for OEMs and inkjet innovators that removes the fundamental issues associated with electronic design, system compatibility and engineering resource availability.

The Xaar XUSB DE system, which is fully CE certified, offers customers peace of mind and an easy path to developing inkjet applications for new and existing markets.

FLEXIBLE AND COST-EFFECTIVE

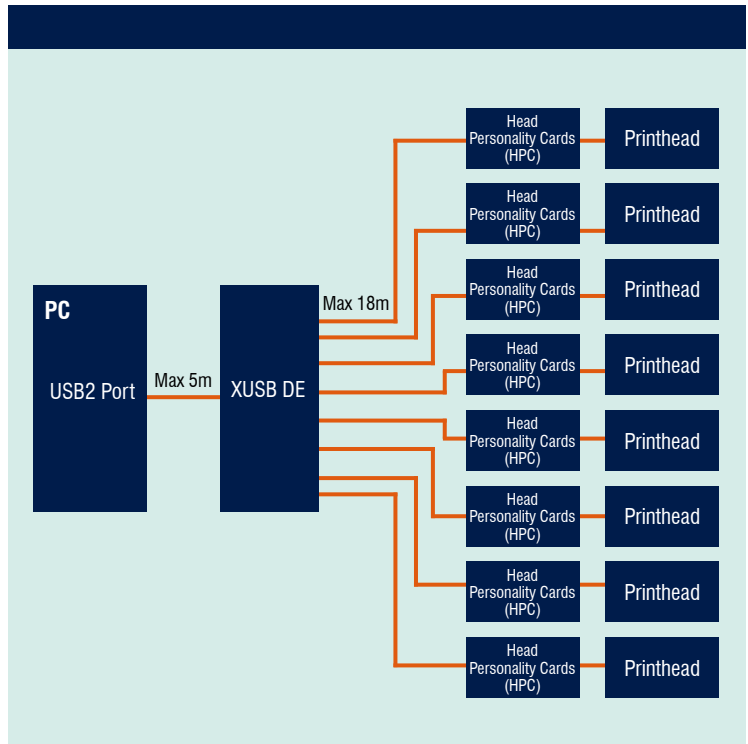
The compact and modular system, which is ideal for machine designs where space is at a premium, is capable of driving up to eight printheads via a USB2 port on a PC or laptop. With minimal software development, up to four XUSB boxes can be integrated onto and controlled by a single computer to support up to a maximum of 64 printheads (depending upon type).

Designed to promote versatility, the XUSB DE system is easily adapted to meet complex printhead layout architectures, enabling the integrator to develop a printhead configuration that best meets their needs.

COMPATIBILITY

The XUSB DE solution is supplied with a demonstration application, requiring Photoshop software, to illustrate its capability. It is also optimised to drive 8 of the company's latest innovation, the Xaar 1001 printhead, utilising a specific head personality card (HPC) for each printhead.

For more information on further developments in Xaar's drive electronic systems and the Software Imaging™ print driver for developer kits and production machines, please contact Xaar directly.



Operating system	Supported
2000	✓
XP	✓
Vista 32-bit	✓



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