Head Interface Board for Fujifilm Dimatix Samba Printhead

GIS Inkjet Operating System

The HIB-FD-1200 is a Head Interface Board designed to provide communications between the GIS Print Manager Board PMB-C8-3 and the Samba® printhead.
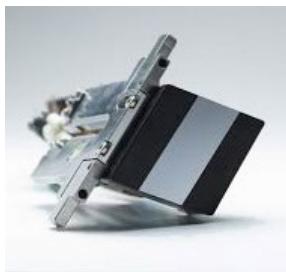
Printhead Control

The HIB-FD-1200 provides access to all the standard Samba printhead settings including waveform control for binary, grayscale and multi-pulse printing.

Customers will be able to shape each waveform with accurate slew-rate and amplitude control in very fine time-slices throughout each pulse, making it ideal for a wide range of applications including labels, commercial print, and textiles.

Connectivity

The HIB-FD-1200 is a standard interface component of the GIS Inkjet Operating System. It is designed to drive the Samba printhead using a GIS Print Manager Board and GIS Software.

Form Factor

The HIB-FD-1200 is designed with a small form factor suitable for both compact systems and large arrays.

Each Head Interface Board can drive up to two Samba printheads.

Connectors

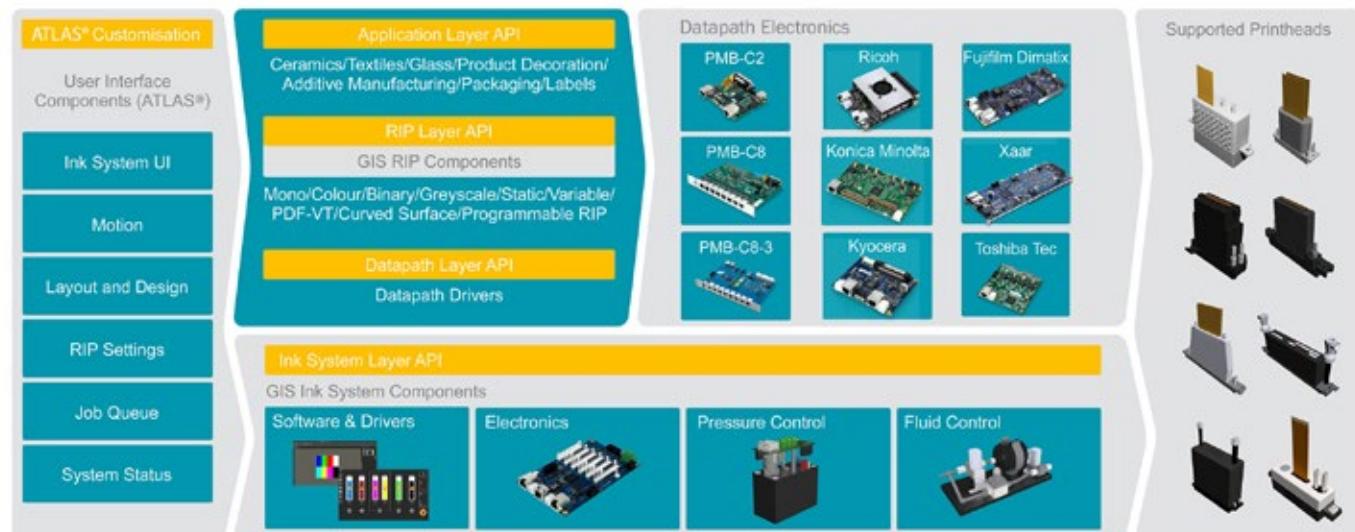The HIB-FD-1200 requires just two connectors to drive the printhead:

Data Connector
A standard RJ45 for connection to a GIS Print Manager Board (PMB-C8-3 USB 3.0) using CAT 6a shielded cabling (up to 10m).

Power Connector
A standard 24V DC connector to supply the entire board set and printhead with power. There is no requirement for separate printhead power.

GIS provides a complementary suite of products that companies can easily customise and rebrand - accelerating technology design and cutting development time:

Software Support

GIS offers a range of software with its Atlas® platform to drive the HMB-FD-1200.

The Atlas suite of products includes a customisable User Interface (UI) as well as a powerful server technology for managing the entire printing and sub-system process, Atlas Machine Control Services (MCS).

Built using Microsoft industry standard software and approaches, Atlas can be configured for different types of users and customised with different languages.

Ink System Components

GIS also provides a comprehensive range of ink delivery system components suitable for the controlled flow requirements of the HIB-FD-1200 printhead product line.

Specifications

General	
Supported printheads : HIB-FD-1200	
Dimensions H 82mm W 218mm D 26mm Weight: 315g	
Specifically designed for use with GIS software products	
Power Supply	
24V DC	
Samba Printhead Control	
Binary, grayscale and multi-pulse waveforms	
High precision waveforms	
Printhead temperature monitoring and thermal cutout	
Printhead EEPROM readback	
Cable Length	
From PMB: 10m	
From HIB to head: 300mm	

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