

## Head Interface Board for Fujifilm Dimatix Samba G3L/G5L Printheads

### GIS Inkjet Operating System

The advanced HIB-FD-1200 is a Head Interface Board designed to provide communications between the GIS Print Manager Board PMB-C8-3 and the Samba® printheads to the new 36V specification.

This latest generation HIB-FD-1200 can help achieve advanced waveform designs, allowing customers to jet a wider range of inks of higher viscosity, especially UV inks.



### 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 are 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.

### 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.



### 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.

### 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.

## Software, Machine Control and Sub-systems for Industrial Inkjet



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 HIB-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 : Samba G3L or G5L

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, mezzanine 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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