Head Interface Board for Toshiba Tec CF1/CK1 Printheads

GIS Inkjet Operating System

The HIB-TT-36-M is a GIS Head Interface Board designed to provide communications between the Toshiba Tec CF1/CK1 printheads and the GIS Print Manager Boards (PMB-C8/PMB-C2/PMB-C8-3).

Printhead Control

The HIB-TT-636-M provides access to all the standard CF1/CK1 printhead settings including:

- Individual voltage trim per ban
- Binary and greyscale mode support
- Per printhead Toshiba Tec waveform download

Connectivity

The HIB-TT-636-M is a plug and play component of the GIS Inkjet Operating System. It is designed to drive up to 4 x CF1/CK1 printheads using a GIS Print Manager Board and GIS Software.

Power Control

The HIB-TT-636-M provides the CF1/CK1 range with all their power requirements via a single 24V power connector and is capable of driving up to 4 x CF1/CK1 printheads from a single board.

The HIB-TT-636-M Head Interface Board is designed with a compact form factor suitable for machine configurations requiring more space between the printhead connectors.

Connectors

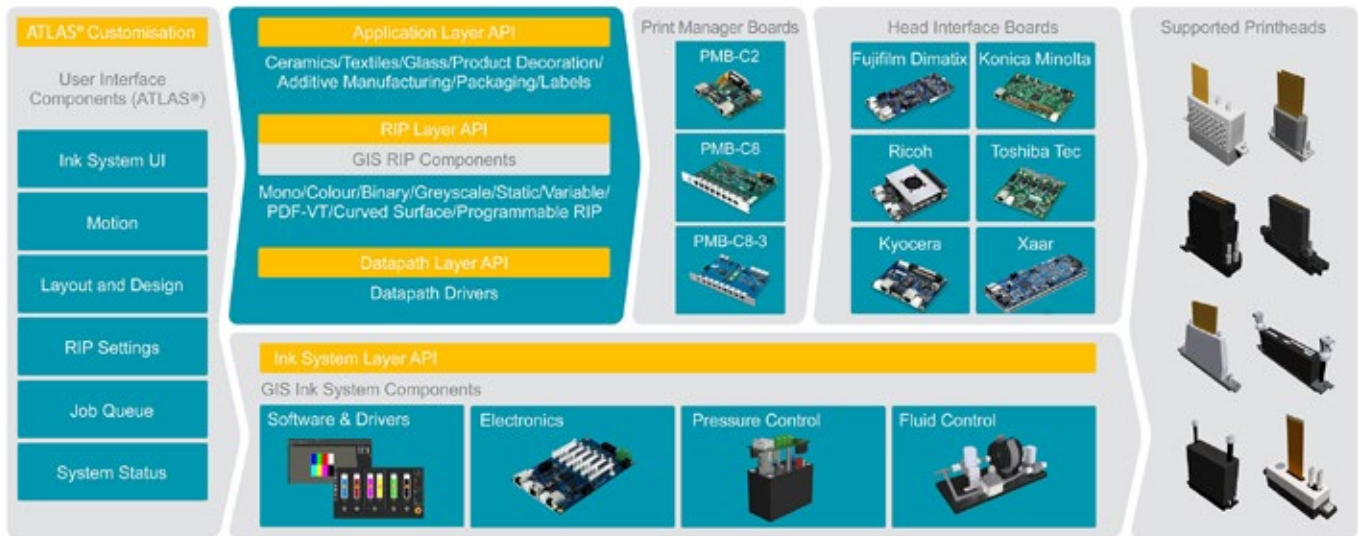The HIB-XR-1002 requires just two connectors to drive the printhead:

Data Connector
A standard RJ45 for connection to a GIS Print Manager Board using CAT 6a STP shielded cabling (up to 10m).

Power Connector
A standard 24V DC connector to supply the HIB-TT-636-M and up to 4 x CF1/CK1 printheads with 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:
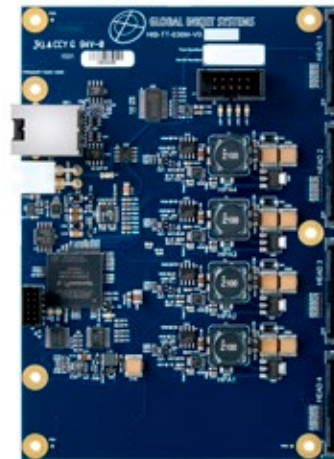
Software Support

GIS offers a full range of software with its Atlas® platform to drive the HIB-TT-36-M.

The Atlas suite of products includes a flexible 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 an extensive ink delivery system components range, comprising electronics, software and a portfolio of customisable header tanks and peripherals as well as all parts of the system that require significant development time.

Specifications

General	
Supported printheads : CF1/CK1	
Dimensions H 145mm W 100mm D 23.8mm Weight: 105g	
Designed for use with GIS software or as a stand-alone product	
High speed (200MB/s) data channel	
Power Requirements	
24V DC	
Toshiba Tec Printhead Control	
Printhead voltage control	
Left and right nozzle bank voltage trim	
Grey level / Binary mode control	
Grey level drop count control	
Printhead waveform control	
Cable Length	
From PMB: 10m	
From HIB to head: 300mm	

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