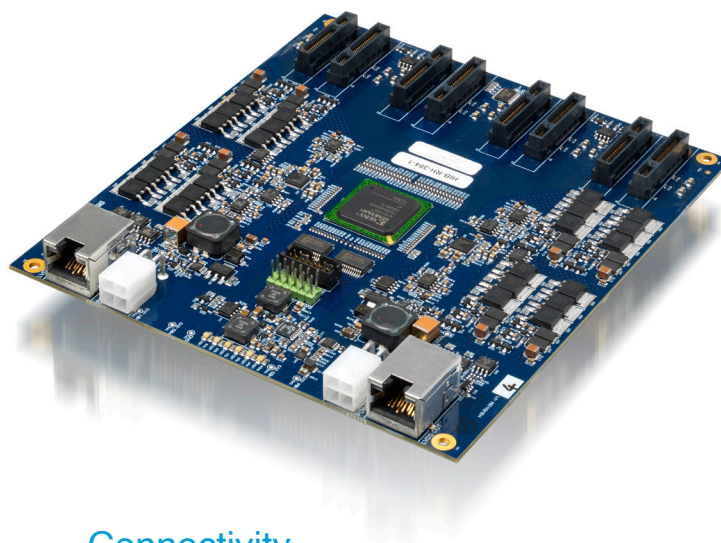


Head Interface Board for Ricoh MH2420/2620/2820/2810F/2910F Printheads

GIS Inkjet Operating System

The HIB-RH-384 is a Head Interface Board designed to provide communications between the Ricoh MH2420/2620/2820/2810F/2910F printheads and the GIS Print Manager Boards (PMB-C8/PMB-C2).

The HIB-RH-384 can support up to 4 x MH2420/2620/2820/2810F/2910F printheads per board reducing system complexity and cost.



Printhead Control

The HIB-RH-384 provides access to all the standard MH2420/2620/2820/2810F/2910F printhead settings through software including :

- Binary and greyscale waveforms
- Greyscale drop size mappings
- Printhead temperature monitoring and control
- EEPROM read back from printhead
- Fully configurable waveforms with software editor

Additional features include:-

- In field upgradeable firmware
- System diagnostics
- Supports all print modes and resolutions

Power Control

Provides the Ricoh MH2420/2620/2820/2810F/2910F with appropriate head and heater voltages from a single 24V power supply.

Connectivity

The HIB-RH-384 is a standard interface component of the GIS Inkjet Operating System. It is designed to drive the Ricoh MH2420/2620/2820/2810F/2910F series printheads using a GIS Print Manager Board and GIS Software.

Connectors

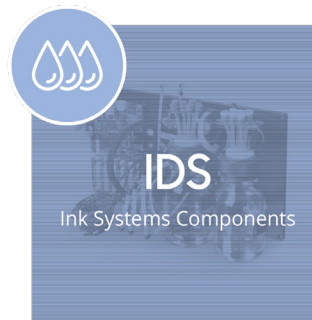
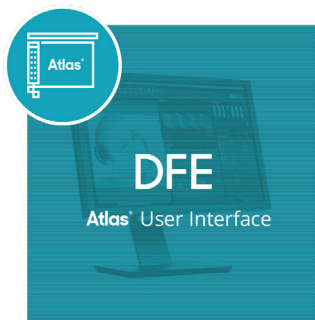
The HIB-RH-384 assembly requires just two connectors to drive the printhead:

Data Connector

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

Power Connector

A standard 24V DC connector to supply the board 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 HIB-RH-384. 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-RH-384 printhead product line.

General
Supported printheads : Ricoh MH2420/2620/2820/2810F/2910F
Dimensions H 160mm W 144.5mm D 23mm Weight: 195g
Specifically designed for use with GIS software products
High Speed (200Mb/s) data channel
Power Supply
24V DC
Printhead Control
Binary and grayscale waveforms
Grayscale dropsize mappings
Printhead temperature monitoring and control
EEPROM read back from printhead
Fully configurable waveforms with software editor
Cable Length
From PMB: 10m
From HIB to head: 300mm

