



## Head Interface Board for Ricoh MH2420/2620/2820 Printheads

### GIS Inkjet Operating System

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

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

### Printhead Control

The HIB-RH-384 provides access to all the standard MH2420/2620/2820 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 with appropriate head and heater voltages from a single 24V power supply



## Features

### General

- Supported Printheads : Ricoh MH2420/2620/2820
- Dimensions : 160mm x 144.5mm
- Weight : 195g
- Specifically designed for use with GIS software products
- High Speed (200MB/s) data channel

### Power Requirements

- 24V DC

### Ricoh Gen 4/LPrinthead Control

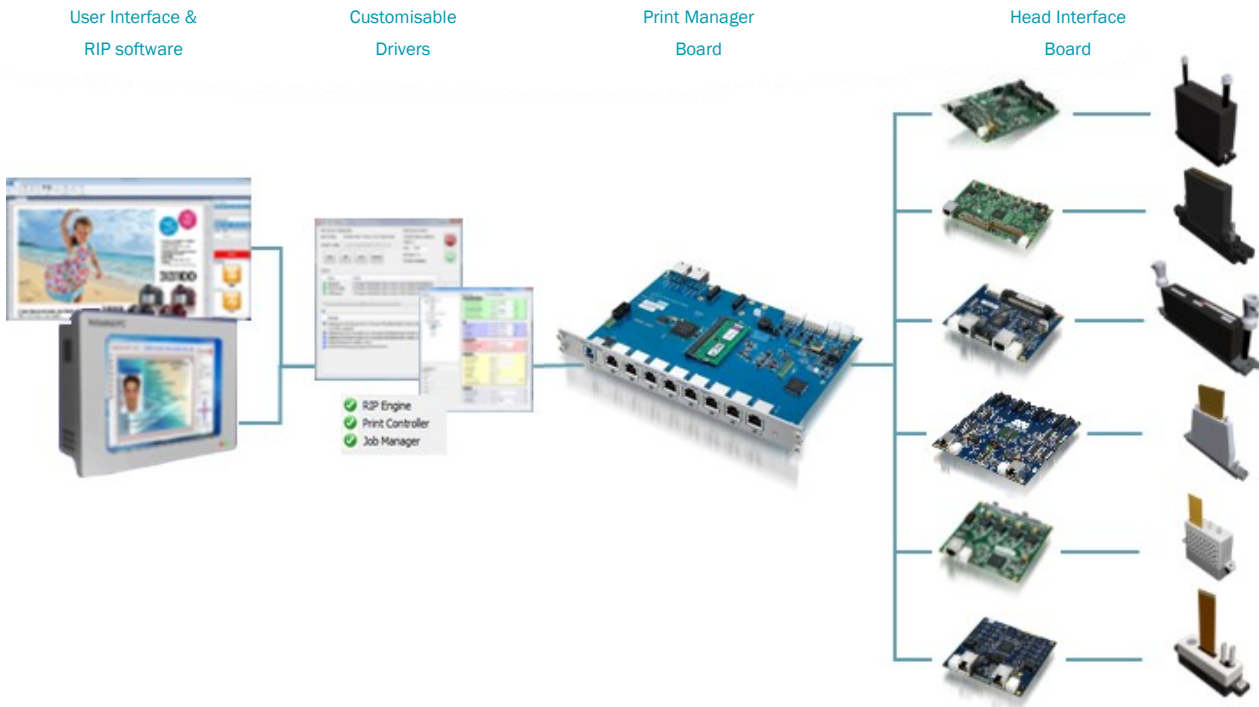
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### Cable Length

- From PMB : 15m
- From HIB to head : 300mm



## GIS Operating System



### 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 series printheads using a GIS Print Manager Board and GIS Software.

### Connectors

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

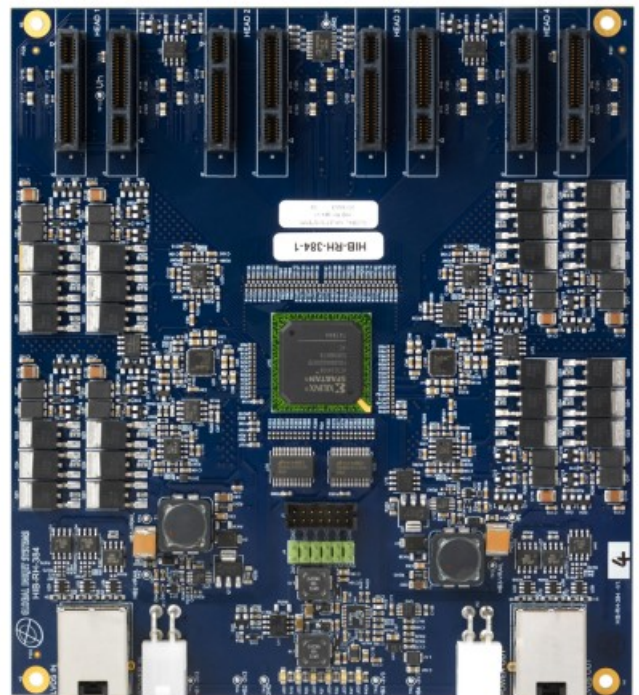
#### Data Connector:

A standard RJ45 for connection to a GIS Print Manager Board using CAT 6a shielded cabling (up to 15m).

#### Power Connector:

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

## HIB-RH-384



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