

Head Interface Board for KM1024 Printheads

GIS Inkjet Operating System

The HPB-KM-1024 from GIS is a Head Personality Board designed to provide communications between the Konica Minolta KM1024 series (S,M and L) printheads and the GIS Print Manager Boards (PMB-C8/PMB-C2)

Printhead Control

The HPB-KM-1024 provides access to all the standard KM1024 printhead settings including voltage trim, temperature (for printhead models with a heater), binary and greyscale mode (8 level), and waveform settings. Additional control is also provided over printhead and heater power.

Power Control

The HPB-KM-1024 provides the Konica Minolta ICBS with 24V printhead and 24V heater power via a convenient single 24V power connector.

Power up and down sequencing is automatically controlled with voltage level auto sensing circuitry.

Form Factor

The HPB-KM-1024 is specifically designed with a small form factor for easy connection and integration with the KM1024 ICB boards.



Features

General

- Supported Printheads : KM1024 (S,M,L)
- Dimensions H 65mm, W 67mm, D 17mm
- Weight : 35g
- Specifically designed for use with GIS software products
- High Speed (200MB/s) data channel

Power Requirements

- 24V DC 1.5A for KM1024 printhead with a heater
- 24V DC 0.5A for KM1024 printhead without a heater

KM1024 Printhead Control

- Printhead and Heater Voltage Control
- Left and Right Nozzle Bank Voltage Trim (0.1V steps)
- Printhead Thermistor Control (0.1°C steps)
- Grey Level / Binary Mode Control
- Grey Level Drop Count Control
- Printhead Waveform Control

Cable Length

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

