

Head Manager Board for Kyocera KJ4B-1200-R Printheads

GIS HMB-KY-1200R Head Manager Board

The advanced HMB-KY-1200R from GIS is a Head Manager Board to drive the recirculating, high-resolution Kyocera KJ4B-1200-R printheads for scanning and single-pass applications using aqueous inks.

Enabling full binary and greyscale capabilities, the HMB-KY-1200R integrates datapath buffering and print-head management, all accessed via Gigabit Ethernet.

Features and Benefits

- Digital platform using the latest GIS architecture
- Drives up to 1 x Kyocera KJ4B-1200-R printheads for high-resolution, high-speed applications
- Suitable for aqueous inks
- Enables high-quality printing and nozzle-out correction
- Flexible built-in options for easy mounting
- Optimised for scanning for air-cooled applications



Software Support

The HMB-KY-1200R board is available with a number of software options, from its own built-in intelligence for limited applications to the full GIS Atlas® platform for more powerful print systems and high-speed applications. Comprising Atlas Professional, a powerful user interface, and Atlas Server, a high performance and extendible print system controller, Atlas offers you a quicker route to market.

Specification

Print Modes

- Binary
- Greyscale
- Drop-size mapping
- Number of grey levels -16

Performance*

- High-speed data channel
- Binary & greyscale waveforms up to 130V amplitude
- Up to 140V/μs slew rate
- Up to 80kHz frequency
- 100m/min at 1200dpi
- Single colour or dual operation per head

* maximum performance dependent on printhead capability

Dimensions

- H38mm x W96mm x L210mm
- Weight - 280g

Monitoring

- Printhead temperature monitoring
- Printhead EEPROM readback

Control

- Printhead temperature control

Connectivity

- 24V to 48V DC power supply
- Ethernet connection to HMB - Cat 5e or better - up to 100m
- From HMB to head - up to 300mm