

Ethernet Head Manager Board & Digital Head Board for Konica Minolta KM204i & KM1800i Printheads

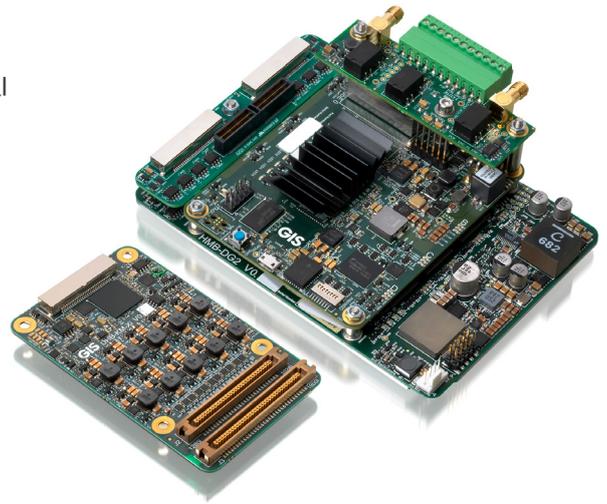
GIS HMB-DG2 Head Manager Board & DHB-KM-Xi Digital Head Board for KM1024i and KM1800i Printheads

The HMB-DG2 & DHB-KM-Xi from GIS combine a Head Manager Board and Digital Head Board to drive the popular Konica Minolta KM1024i and KM1800i printheads used in applications including labels, security, wallpaper, product decoration and direct to shape.

Enabling full binary and greyscale capabilities, the HMB-DG2 & DHB-KM-Xi integrate datapath buffering and printhead management, all accessed via Gigabit Ethernet.

Features and Benefits

- Ethernet platform using the latest GIS architecture
- Each HMB-DG2 & DHB-KM-Xi drives up to 2 x Konica Minolta printheads for industrial high-laydown applications with optional 2 x stackable daughter boards to support up to 6 x printheads
- Compatible with the GIS SM-200 System Manager for industry-standard product detect / PrintGo and encoder signal support
- Multiple software interface options
- Optional integrated encoder and product detect management via an SEB-EPD expansion module
- Flexible built-in options for easy mounting
- Optimised to dissipate power to simplify cooling requirements



Software Support

The HMB-DG2 & DHB-KM-Xi also have a number of software options for control and datapath. For example, the built-in interface allows easy integration for drop watching and basic print operations, while the API allows the implementation of custom software. Or take advantage of the full GIS Atlas® Software Suite for more complex print systems. Including Atlas Server, a high performance and extensible print system controller, Atlas offers you a quicker route to market.

Specification

Print Modes

- Binary
- Greyscale
- Drop-size mapping
- Number of grey levels - 7

Performance

- High-speed data channel
- HMB temperature monitoring and thermal cutout

Monitoring

- Printhead temperature monitoring and thermal cutout
- Printhead EEPROM readback

Control

- Printhead temperature control

Power

- 24V to 48V DC power supply
- DHB - 6 x adjustable power supplies to trim KM-1024i; 8 x to trim KM-1800i

Connectivity

- 24V to 48V DC power supply
- Ethernet to HMB - Cat 5e or better - up to 100m
- From HMB to DHB - up to 1000mm
- From DHB to printhead - up to 300mm

Dimensions

HMB-DG2

- H32mm x W140mm x L100mm
- Weight - 267g

DHB-KM-Xi

- H9mm x W100mm x L60mm
- Weight - 35g