Head Manager Board for Seiko RC1536 Printheads

GIS HMB-SI-1536 Head Manager Board

The advanced HMB-SI-1536 from GIS is a Head Manager Board to drive the high-flow Seiko RC1536 printheads for scanning and single-pass applications using oil-, UV-, solvent and aqueous-based fluids, ideal for a wide range of applications- especially high laydown, such as white, varnish and 3D printing.

Enabling full binary and greyscale capabilities, the HMB-SI-1536 integrates datapath buffering and printhead management, all accessed via Gigabit Ethernet.

Features and Benefits

- Ethernet platform using the latest GIS architecture

- Drives up to 4 x Seiko RC1536 printheads for a wide range of applications

- Multiple software interface options

- Flexible built-in options for easy mounting
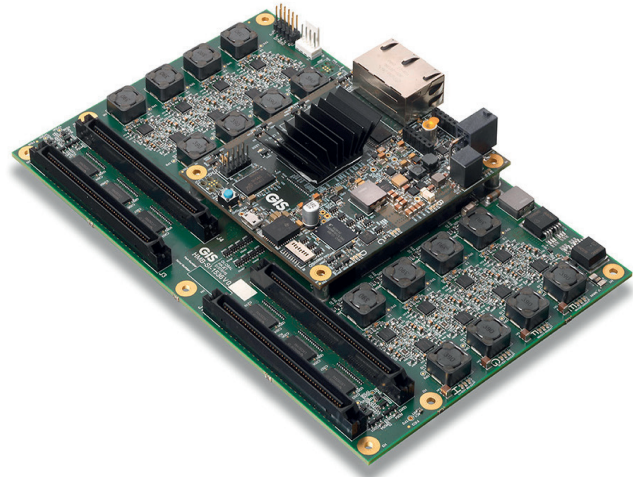
Software Support

The HMB-SI-1536 board has a number of software options for control and datapath. Its own 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® platform for more complex print systems and high-speed applications. Comprising the powerful Atlas Professional user interface and 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 - 8

Performance*
- Supports 8 x waveforms up to 37KHz
- Single colour printing per head
- HMB temperature monitoring and thermal cutout
* *maximum performance dependent on printhead capability*

Dimensions
- H38mm x W135mm x L210mm
- Weight - 400g

Monitoring
- Printhead temperature monitoring and thermal cutout
- 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