

Ethernet Head Manager Board
for Epson D3000-A1R/A3R Printheads

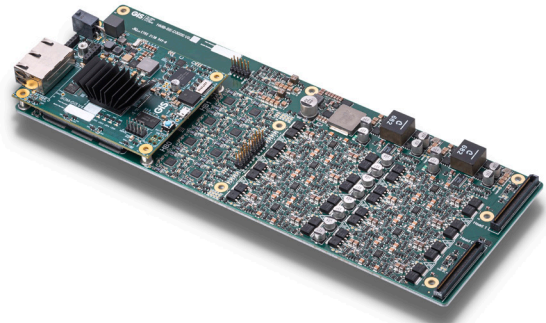
GIS HMB-SE-D3000 Head Manager Board for Epson Precision Core D3000-A1R/A3R Printheads

The HMB-SE-D3000 from GIS is a Head Manager Board to drive the recirculating Epson Precision Core D3000-A1R/A3R printheads for scanning and single-pass applications using aqueous-based fluids. This is ideal for high-quality, high-frequency printing applications, especially in packaging markets.

Enabling full binary and greyscale capabilities, the HMB-SE-D3000 integrates datapath buffering and printhead management, all accessed via Gigabit Ethernet.

Features and Benefits

- Ethernet platform using the latest GIS architecture
- Each HMB-SE-D3000 drives up to 2 x Epson printheads for high-quality applications
- 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
- Complemented by GIS optional recirculating ink delivery system modules



Software Support

The HMB-SE-D3000 also has 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 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 - 16

Performance

- High-speed data channel
- Supports 8 x waveforms per printhead (3 x independent waveform shapes - Drop Size 1, Drop Size 2, Non-jetting)

Monitoring

- Printhead temperature monitoring and thermal cutout
- Printhead EEPROM readback

Control

- High precision waveforms
- Integrated fan drive and control
- Printhead temperature monitoring

Connectivity

- 24V to 48V DC power supply
- Ethernet to HMB - Cat 5e or better - up to 100m
- From HMB to printhead - optimised flex cable - up to 400mm

Dimensions

- H38mm x W110mm x L300mm
- Weight - 482g