

Ethernet Head Manager Board & Analogue Head Board
for Epson S800 Printheads

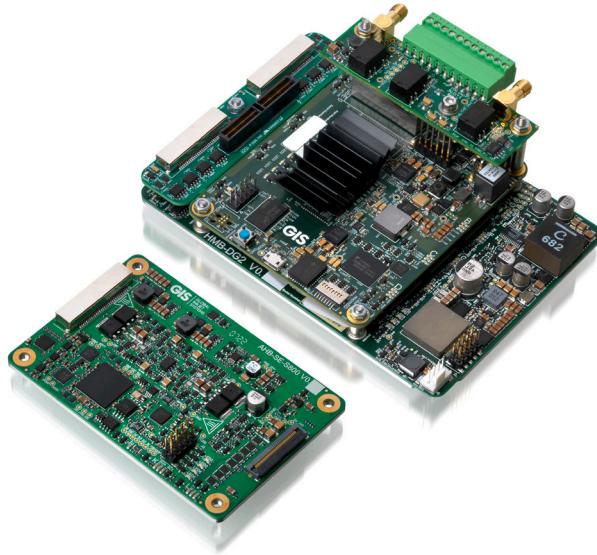
GIS HMB-DG2 Head Manager Board / AHB-SE-S800 Analogue Head Board for S800 Printheads

The HMB-DG2 & AHB-SE-S800 and optional variants from GIS combine a Head Manager Board and connected Analogue Head Board to drive the full Epson S800 series (U1, U3, A1 and S1) via the GIS Ethernet platform. They provide system integrators and OEMs with even greater industrial print system development opportunities, including direct-to-shape and materials deposition markets.

Enabling full binary and greyscale capabilities, the HMB-DG-2 & AHB-SE-S800 integrate datapath buffering and printhead management, all accessed via Gigabit Ethernet.

Features and Benefits

- Ethernet platform using the latest GIS architecture
- Each HMB-DG2_AHB-SE-S800 drives up to 2 x Epson 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 & AHB-SE-S800 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. 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 - 7

Performance

- Supports 6 x waveforms
- High-speed data channel
- HMB temperature monitoring and thermal cutout

Monitoring

- Printhead temperature monitoring and thermal cutout
- Printhead EEPROM readback

Control

- Printhead temperature control

Connectivity

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

Dimensions

HMB-DG2

- H32mm x W140mm x L100mm
- Weight - 267g

AHB-SE-S800

- H10mm x W66mm x L150mm
- Weight - 106g