

Ethernet Head Manager Board for Fujifilm Dimatix Printheads

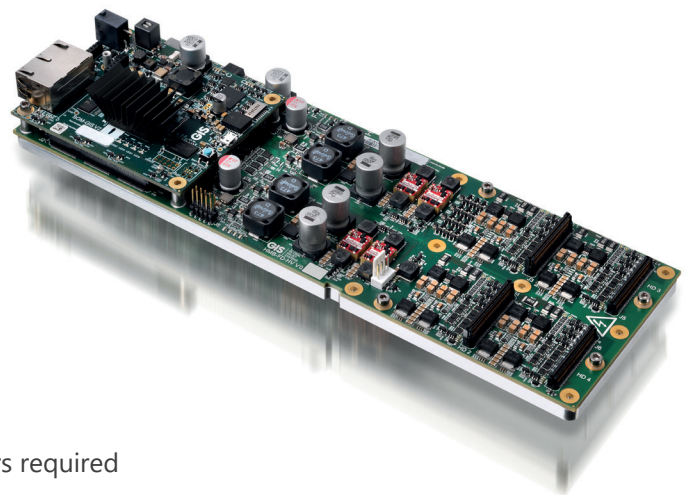
GIS Advanced Head Manager Board (HMB) for Fujifilm Dimatix Printheads

The GIS advanced Head Manager Board (HMB-FD-HV) for Fujifilm Dimatix printheads is your single solution for scanning and single-pass applications. The HMB-FD-HV supports Fuji Dimatix's range of Starfire printheads, including the 600 dpi SG600 and all sizes of the 400dpi SG1024, using the latest generation GIS Ethernet platform.

Enabling full binary and greyscale capabilities, the HMB-FD-HV integrates datapath buffering, printhead management and high-precision fire waveform generation, all accessed via Gigabit Ethernet.

Features and Benefits

- Digital platform using latest GIS architecture
- Each HMB drives:
 - up to 4 x Fujifilm Dimatix StarFire SG1024
 - up to 4 x Fujifilm Dimatix StarFire SG600
- Enables high-quality printing via inter-module stitching and nozzle-out correction
- Flexible and high-quality image repeatability via precision waveform generators
- Flexible built-in options for easy mounting
- Optimised for scanning for air-cooled applications
- Optional cost-efficient mode for XY scanning - no drivers required



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 80V/ μ s slew rate
- Up to 50kHz frequency
- 185m/min at 400dpi
- Single colour or dual operation per head

** maximum performance dependent on printhead capability

Dimensions

- H38mm x W96mm x L300mm
- Weight - 400g

Monitoring

- Printhead temperature monitoring
- Printhead EEPROM readback

Control

- High precision waveforms
- Integrated fan drive, monitoring and 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 - optimised flex cable
 - up to 400mm