

Mark605



Low Cost High Resolution OEM Inkjet Print Controller

The Mark605 is a low cost, high speed, high resolution embeddable inkjet print controller featuring the clean, low maintenance convenience and dependability of Hewlett-Packard disposable print cartridges.

Designed for seamless integration into custom applications, multiple Mark605 controllers may be stacked together to create user definable print heights. Preconfigured Outboard Modules (pictured on back) add to ease of installation in industrial environments

The Mark605 is available in 2 versions:

- Mark605F with flex connectors.
- Mark605D with D-Sub connectors for high vibration environments. Available with horizontal or vertical connector configurations. Fits in standard DIN Rail.

For the most demanding graphic applications, the Mark605 can deliver up to 600 x 600 dpi and each Mark605 controller supports 2 printheads.

The simple control protocol provides access to macros for serialization, counting, date calculations, time offsets and timestamps etc.

The Mark605 is equipped with user definable input/output lines allowing control from upstream PLCs, and signaling to external peripherals, minimizing the total installation footprint.

For many applications, a PC is not required after configuration. Connect, configure, unplug the PC and use in standalone operation. Onboard memory supports the print configuration.

User defined cartridge settings allow the Mark605 to be compatible with all standard branded HP and specialized solvent inks.



Mark605D & Mark610DSI

Compact
Versatile
Powerful
Expandable



PRODUCT DATA

Controllers/Drivers

Simplified Protocol enabling full application integration
RS-232, High-speed USB

Operating Modes

Firing Clock:

Internal clock/No encoder (0 - 15 kHz)

External encoder

Sensor:

External Sensor

Rising or falling edge triggered

Programmable delay from trigger

User defined I/O

Cartridge Controls

Ability to optimize voltage, firing frequency,
pulse width and thermal controls

Drop counter for ink usage

Ink level signaling

Printhead maintenance modes

Physical/Electrical

Power:

28V max 3A

3.3V max 300 mA

Operating Environment:

10-40°C at 10-50%RH

and 10-23°C at 10-90%RH

Non-operating Environment:

-30 to 60°C for 48 hours

Print Resolutions and Speeds

600h x 600v dpi at 25 ips, 125 fpm, 0.63 m/sec

300h x 600v dpi at 50 ips, 250 fpm, 1.26 m/sec

150h x 600v dpi at 100 ips, 500 fpm, 2.52 m/sec

100h x 600v dpi at 150 ips, 750 fpm, 3.81 m/sec

Other resolutions and speeds possible

Printing Capability

Height: 0.5" (12.7mm) per printhead, stackable

Direction: forward and reverse

Bi-directional (mirror on X) per printhead

Upside-down (mirror on Y) per printhead

Printable Items

Fixed and variable ASCII text

User designed fonts or images

Time/Date stamp: fixed, real-time or postdated

Programmable Sequence Counters (4) per printhead

Options

Outboard modules

Warranty

One Year



Outboard Module 2 Family



Outboard Module 3 Family