



FLXHD

Automated Desktop e-MMC Duplication

There is no better way to duplicate e-MMC devices

Powerful Desktop Solution

Maximizes productivity

- High throughput
- e-MMC 4.41 support
- Duplicates at the speed of silicon
- Extremely fast changeover
- Implements HD81 duplication engines

Lowers production cost and increases quality

- Lowest overall cost solution
- Reduces costs associated with scrap
- Minimum floor space required
- Minimal labor requirements
- Reliable

Easy to use and easy to learn

- Language-Independent graphical user interface
- Leaves the burden of learning to the FLXHD automation

The FLXHD is the only automated duplication system for e-MMC devices in a desktop footprint. The FLXHD features a 40-device-socket system with an automated X-Y robot gantry and dual pick-and-place probes for high-throughput, a touch-screen interface, and an embedded PC running Windows 7 OS. The FLXHD is the most cost-effective solution available to duplicate all of your e-MMC devices in volume.

High-throughput automated e-MMC duplication

The FLXHD automated duplication system uses 40 target duplication sockets, providing extreme parallel programming. This means you can duplicate devices with very large amounts of data, as is typical with e-MMC devices, and still maintain a throughput rate of up to 700 devices per hour.

Extremely fast duplication times

The FLXHD duplication system has data read/write speeds of 22 MB/second per socket, capable of processing huge amounts of data in very short times and keeping up with the fastest e-MMC devices.

Manage the cost of quality

The FLXHD eliminates human errors typically associated with manual duplicators, including ESD damage and the binning of bad parts with good. For the first time, organizations that previously used error-prone manual solutions can afford the high quality results of automation at a lower overall cost.

Extremely fast changeover, despite huge amounts of data

There are no file downloads required with the FLXHD duplication system, meaning changeovers are lightning fast compared to typical systems that can take hours to load a new multiple gigabyte file when using e-MMC devices. Because the data comes from a master device, there are no datafile management issues to deal with.



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High Performance

The state-of-the-art robotics delivers 700/pph throughput (zero programming time) in a small machine footprint.

HD81 Duplication Engine

The HD81 Duplication Engine is designed for writing and reading data to and from e-MMC devices at a speed of 22 MB/sec. Each HD81 has one master socket and eight target sockets. The FLXHD has 5 HD81 Engines.

Device Support

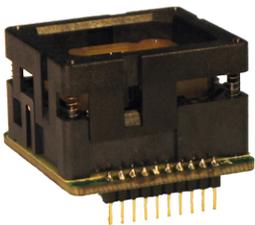
- Supports e-MMC interface version 4.3, 4.4, and 4.41.
- Supports e-MMC General Purpose Partition/Enhanced User Area copy and verify operation.
- Duplication and Verification in Partition, Auto, File, Mirror, and User Modes.
- On-the-fly checksum generation.

Package Support

All JEDEC e-MMC BGA packages can be supported.

Sockets

Each target site uses an individual socket card. Sockets can be purchased in any quantity.



Technical Specifications

Media

JEDEC and nonstandard trays up to 186 mm x 334 mm.

Electrical Requirements

- Operating Voltage: 100 to 240 VAC
- Power Consumption: <500 watts
- Frequency Range: 50 to 60 Hz

Physical Specifications

- Length: 770 mm (30.3 inches)
- Width: 592 mm (23.3 inches)
- Height: 615 mm (24.2 inches)
- Weight: 50.0 kg (110 lbs)

Environmental

- Temperature: 15° - 35° C (59° - 95° F)
- Humidity: 5-90% non-condensing

Connections

- Network: Gigabit Ethernet
- Air: Minimum 56 L/min @ .52 MPa or 2.0 CFM @ 75 PSI

System

Windows® 7 OS in embedded PC

Services

- One year warranty on factory parts and labor

For More Information

Americas

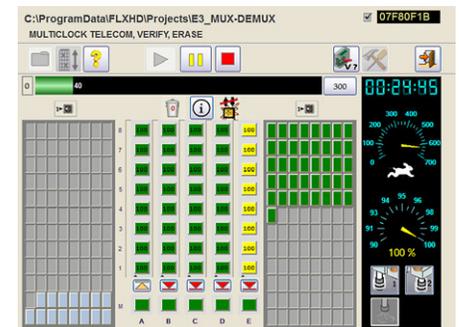
- www.dataio.com

Asia

- www.dataio.cn

Europe

- www.dataio.de



Touch-screen interface on the FLXHD system shows:

- Input tray status
- Status of each of 40 target sockets
- Status of each of 5 master sockets
- Status of output tray
- Project run time remaining
- Yield gauge
- Devices per hour gauge