Multisyte
Universal Parallel Programming System

- Universal device support for memory, microcontroller and logic devices.

- Production-quality TOPs used in any combination, provide reliable support for DIPs, PLCCs, SOICs, TSOPs, QFPs, µBGAs and other package types.

- Industry-standard TaskLink for Windows software enhances the quality and efficiency of your device programming operation.

- High-speed parallel programming technology maximizes your throughput capacity and reduces operator error.

- Partnerships with major Semiconductor companies ensure a wide range of device support, especially for new devices.

- Rapid device changeovers optimize throughput, which is critical for high mix manufacturing environments.

- Low-voltage programming supports voltages down to 1.8 volts, allowing you to program the newest devices on the market.

- Common architecture with the PS2/300™ allows you to use either automated or manual programming processes.

High Speed, High Quality Programming Solution for Today's Manufacturing Environments

The versatile Multisyte™ combines universal device support with Data I/O's® highly reliable, interchangeable TOPs technology to support virtually any package on the market. High-speed parallel programming technology, teamed with manufacturer-approved programming algorithms, optimize your programming throughput, reliability and yields. Plus, the system's ultra-flexible modular hardware and TaskLink™ for Windows® control software ensure rapid device changeovers and setups — boosting throughput for high device-mix operations.

Flexible, Reliable Support for the Latest Devices and Packages

The Multisyte's 48 universal pindrivers support today's memory, microcontroller and logic devices from all the major manufacturers, from Altera to Xilinx. And when you add Data I/O's production-quality TOPs, you can reliably expand your device support options up to 84 pins (and beyond).

The innovative TOPs design minimizes lead lengths between the programming pindrivers and the programmed devices, ensuring clean signals, and optimum programming accuracy and repeatability.

Data I/O continually introduces new TOPs to support the market's latest devices, packages and trends. Our new four-socket FlashTOPs support your high-throughput Flash memory production needs faster than ever. On a Multisyte Octal system with eight FlashTOPs, you can program over 230 Intel 28F320J5 Flash devices per hour at an extremely low-cost-per-device programmed.

Easy, Efficient Control with TaskLink for Windows

To streamline system setup and control, Multisyte programmers feature powerful TaskLink for Windows software. TaskLink's intuitive user interface guides you through every programming step, from device selection to data file download and parameter setup. You can also pre-configure programming parameters for specific jobs and save them as Task or Kit files, making repeat programming easier and more efficient. TaskLink also captures production statistics, helping you analyze and improve the quality and productivity of your programming processes.

Rapid Device Changeovers Increase Throughput

If you're programming multiple devices per shift, device changeover time can greatly affect throughput. Thanks to its modular design, interchangeable TOPs and intelligent, automated TaskLink software, Multisyte programmers minimize changeover time to less than a few minutes.

For complete information on any Optima programming system, please visit our Web site or contact your local Data I/O sales representative.

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1-800-3-DATAIO
www.dataio.com

Data I/O

Specifications

Device Support
- Memory: PROMS, EPROMS, EEPROMS, Flash
- Logic: FPGAs, PLDs, PALs, EPLDs, CPLDs
- Microcontrollers
- Low-Voltage support

Package Support
- DIP, PLCC, SOIC, TSOP, PGA, QFP, µBGA and others with optional TOPs or adapters

Standard Features/Accessories
- TaskLink for Windows
- One year of software and device support updates
- 12 month warranty
- Power supply

Optional Features:
- Various TOPs and adapters
- Third party adapters

System Requirements
- Microsoft Windows 95, 98 or Windows NT (B/2000 release)
- 75 MB hard disk space
- CD Rom
- Parallel port
- Mouse
- VGA Monitor
- 233 Mhz (recommended)

Operational Requirements
- Operating Voltages: 100-250 VAC +/- 10%
- Frequency Range: 50-60 Hz
- Power consumption: 50 VAC max

Size
- Dual: $8.3 \times 7.1 \times 2.4$ in ($18 \times 21 \times 6$ cm)
- Quad: $17.3 \times 12.2 \times 2.4$ in ($44 \times 31 \times 12$ cm)
- Octal: $15.8 \times 15.8 \times 4.8$ in ($40 \times 40 \times 12$ cm)

Weight
- Dual: 4.6 lb (2.1 kg)
- Quad: 12.6 lb (5.7 kg)
- Octal: 30 lbs (13.6 kg)

Size and weight may vary with the mounted TOPs.