UNISITE 40

**DESIGN FREEDOM
FOR TOMORROW.**

DATA I/O

UNISITE 40 SETS NEW STANDARDS FOR UNIVERSAL DEVICE SUPPORT AND EASE OF USE.

Staying on the leading edge of technology challenges even the most innovative design engineers. You are continually bombarded with newer and more complex devices such as one-megabit EPROMs, MegaPALS®, and PLCC devices. And, the nature of parts is changing as well. For example, programmable ASICs are increasingly used in new design starts.

Data I/O®'s UniSite™ 40 sets the new standard for universal device support and programming reliability. It allows you to use the latest technologies and devices in your designs without any additional hardware adapters. Based on a software-configured universal pin driver system and custom hardware, the UniSite 40 programs and tests any device of a given package type in a single site. And, there's no compromise in performance or speed. An advanced user interface greatly simplifies setup and operation. And updates are available on 3½" micro diskettes.

A SINGLE SITE FOR EVERY DEVICE.
The UniSite 40 includes manufacturer-approved algorithms* for more than 1200 devices in one site. A single-socket DIP module supports devices up to 40 pins, including PLDs, PROMs, IFLs, FPLAs, EPROMs, EEPROMs, and microcontrollers. And a single module for surface mount packages includes six sockets for 20-, 28-, 32-, 44-, 52-, and 68-pin PLCCs and one SOIC that supports 20-, 22-, 24- and 28-pin devices. To support a specific device, the UniSite 40 reassigns pin functions as required. A built-in functional test ensures that each pin driver is operating properly.

CONVENIENT SOFTWARE UPDATES ON DISKETTE.
No other programmer is as easy to update as the UniSite 40. As new devices are introduced, Data I/O will provide a new master 3½" micro diskette. Simply load it into the disk drive and the UniSite 40 is instantly updated. You can receive regularly scheduled updates through our Software Update Services, or whenever you choose. Either way, you'll never have to interrupt the design flow to add device support.

HIGH-PERFORMANCE HARDWARE SETS NEW SPEED RECORDS.
The UniSite 40 is driven by custom ICs, a high-speed RAM, and a 16-bit microprocessor which ensures that devices are programmed precisely to manufacturers' specifications at record-breaking speed. The UniSite 40 provides the flexibility of universal device support with the performance of a dedicated programmer. For example, EPROM programming and verification speeds rival any production programmer. And functional logic testing includes full high, low, and tristate speeds 10 times faster than any dedicated logic programmer.

The UniSite 40 is compatible with most ASCII terminals.

Updates provided on convenient 3½'' micro-diskettes.
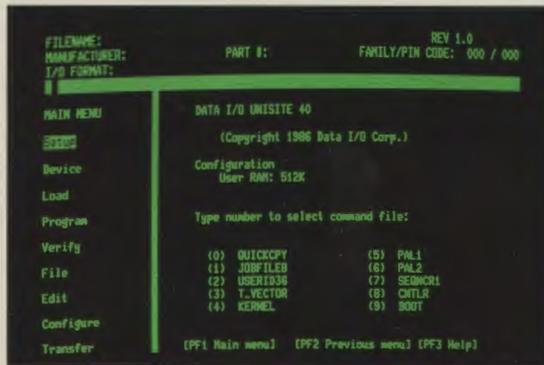
The UniSite 40's main menu prompts you one step at a time.

A built-in device list speeds parts selection.

DATA I/O

State-of-the-art, 16-bit microprocessor for speed and power

A single site for up to 40-pin DIPs

PROGRAMMING RELIABILITY BUILT IN. Data I/O has built in several features to ensure that the UniSite 40 will deliver uninterrupted, reliable performance for maximum yields. An auto-calibration sequence is performed at power-up or by command. The UniSite 40 also automatically performs backwards device check, continuity testing, and a blank check to ensure device integrity before programming.

A SUPERIOR USER INTERFACE FOR SIMPLE SETUP AND OPERATION. To select your device, simply enter in the device number, and the UniSite 40 chooses the correct algorithm from a built-in device list. Because selection is done automatically, there's less chance of input error. HELP messages offer relevant assistance as you need it. And all menus can be quickly selected using the cursor or single-letter commands.

Parameters for ten devices of your choice are saved for instant recall at the touch of a single key. The UniSite 40 also includes prebuilt files for several popular devices. Select the "QuickCopy™ Mode," and in one fast sequence, your device is automatically programmed.

A command set offers a number of shortcuts for frequent users. For example, you can build macros that tailor the programming operation to your application. Because each macro stores all programming data and test files, there's no need to download the data from the host every time you select that device.

SET PROGRAMMING EFFICIENTLY TRANSFORMS YOUR CODE INTO FIRMWARE. With the UniSite 40, you'll no longer have to download separate data files or sections of files to program a set of devices. Instead, you can download an entire data file into RAM (up to a maximum of 512k bytes on disk) in one operation. The data is automatically split according to word width into as many devices as required, which you then program sequentially.

SMART INTERFACES TAKE THE WORK OUT OF SYSTEM SETUP. Data I/O's SmartPort™ self-configuring serial interface reduces the need for special cabling to connect the UniSite 40 to your host computer. And with support for 41 I/O protocols and selectable data rates from 300 to 19,200 baud, it can be used with most terminals. Just connect the UniSite 40 between your terminal or personal computer and your host. A "transparent mode" allows them to communicate directly.

DESIGN FREEDOM FOR TOMORROW. When leading-edge designers want to use the latest devices and technologies in their designs, they turn to Data I/O. No other company delivers the freedom to design with any device of your choice. For more than 14 years, we've maintained an unmatched track record of device support. And today, the UniSite 40 sets the new standard for universal device support.

Universal pin driver cards include a custom gate array, custom linear chips, and 540 surface mount devices.
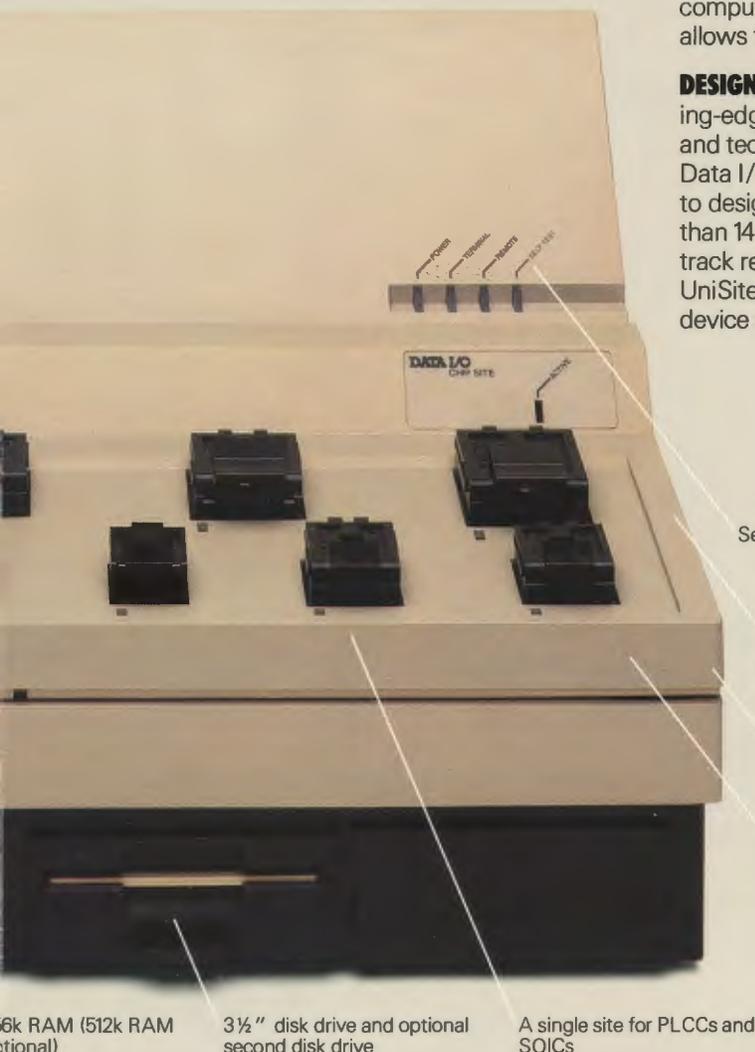
Self-test LD

RS232C remote and terminal ports (back panel)

SmartPort for easy system interfacing (back panel)

Programmable power supplies and custom hardware flexible enough to support 1200 devices
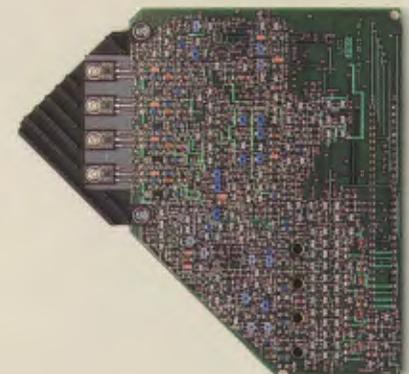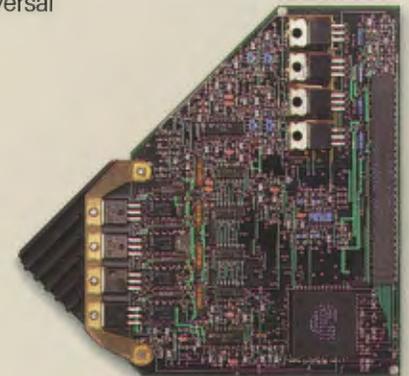
56k RAM (512k RAM tional)

3½" disk drive and optional second disk drive

A single site for PLCCs and SOICs

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Our customer support programs will deliver on-going service throughout the life of your UniSite 40. With worldwide service centers staffed by specially trained technicians, we offer the most comprehensive support network available from any device programmer manufacturer. When you need assistance, our Customer Resource Engineers are just a phone call away.

*Submitted for approvals.

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