Dynamic RAM controllers drive 8M bytes of memory

National Semiconductor Corporation has introduced two 1M-bit DRAM controller/drivers, the DP8428 and DP8429. Intended for DRAM-based systems up to mainframe level, the devices drive 8 megabytes of DRAM.

Each device integrates a patented delay line that allows for a typical RAS-to-CAS delay of 40 ns, even when driving 8M bytes of memory plus error-correction and check-bit memory. Each device also integrates on-board refresh counters, row/column multiplexing logic, row/column bank address latches, RAS bank decoding logic, and control and timing logic for sequencing DRAM access and refreshing tasks.

The first samples of the DP8428 and the DP8429 are expected to be available in the JEDEC standard 52-pin dual-in-line and 68-pin PCC packages in March. Pricing is $45 each in quantities up to 100.

Contact National at 2900 Semiconductor Drive, Santa Clara, CA 95052-8090; (408) 721-5000.

Reader Service Number 37

IBM PC graphics controller features 832 × 630 resolution

Bell & Howell's Quintar Division has announced an 832 × 630-resolution color graphics controller. The GraphPort board fits into one slot in IBM PC, XT, AT, and compatible microcomputers. It is designed to meet a variety of graphics requirements from business to engineering and drafting.

With its own CPU, graphics firmware, and 256K of display memory, GraphPort frees the personal computer and applications software from the task of calculating the color graphics display image. GraphPort is compatible with AutoCAD, VersaCAD, Graphics Express, Mirage, and Autumn software. Support is also provided by Graphic Software Systems' Virtual Device Interface, enabling other graphics applications programs to run with GraphPort.

GraphPort sells for $1795.

For more information, contact Bell & Howell, Quintar Division, 411 Amapola Avenue, Torrance, CA 90501; (213) 320-5700.

Reader Service Number 38

Brother offers 100-cps personal printer

The M-1109 from Brother International Corporation is a dot matrix personal printer featuring 80-column, 100-cps, and near-letter-quality printing. It features a friction-feed platen for single-sheet paper feeding and a tractor feeder for fanfold paper.

The nine-pin, bidirectional printer with Centronics parallel and RS-232-C serial interfaces switches between IBM PC and Epson 100+ protocols and character sets. Users can select printing in draft mode, condensed, enlarged, superscript, subscript, auto-underlining, and 10 or 12 pitch.

Selling for $269, the printer is available from Brother at 8 Corporate Place, Piscataway, NJ 08854; (201) 981-0300.

Reader Service Number 39

Double-high board sports 10-MHz 68000, 512-K RAM

Dual Systems Corporation has announced beta testing of a universal storage controller for VMEbus-based systems. The VUSC is a dual-height VMEbus module with an architecture based on the MC68000 16/32 microprocessor and VLSI components.

The six-layer, 160 × 233.5-mm printed circuit board is designed to control hard and floppy disks, optical memories, backup devices, and printers that use either the SCSI, ST-506, or SA-450 industry-standard interface protocols. The single-board computer can also serve as a VMEbus master.

In sample quantities of 1 to 10, the VUSC is priced at $2190. Production is expected to begin 2Q 1986.

Reader Service Number 40

Reader Interest Survey

Indicate your interest in this department by circling the appropriate number on the Reader Interest Card.

High 195  Medium 196  Low 197