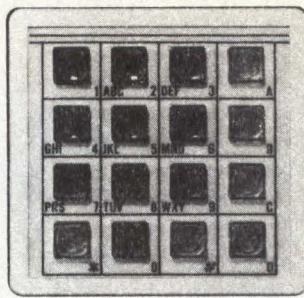
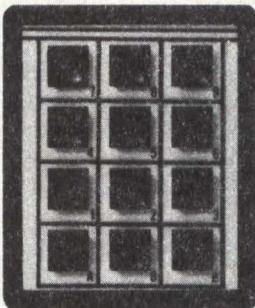


Low Profile...

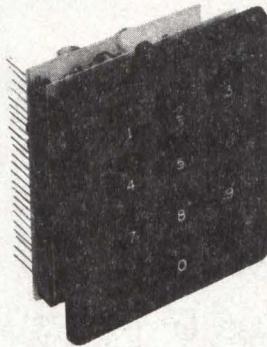
LED lighted keys give visual indication of status function. Or choose unlighted keyboard.



10, 12, or 16 station. Square or round keys. Attractive color selection. Clear, sharp key top or decal marking.



BCD and hexi-decimal encoding available as optional plug-on "Adder-Boards". Easy front panel mounting.



Design your own keyboard. Single station modules mount on PC or prepunched boards with .100 center holes.



STACO SWITCH

a STACO, INC. company

1139 BAKER STREET, COSTA MESA, CALIF. 92626
(714) 549-3041 TWX: 910/595-1507

Other STACO Company products: Custom Transformers, STACO ENERGY PRODUCTS, Richmond, Indiana; Variable Transformers, STACO ENERGY PRODUCTS, Dayton, Ohio.

PRODUCTS

17.3M-BYTE CARTRIDGE TRANSPORT

Tape cartridge transport model 640 uses 6400-bit/in (2519/cm) recording density to give max unformatted storage capacity of 17.3M bytes, adapting it to use as backup for 8" (20-cm) hard discs. The unit has 4-track read-after-write heads and uses 3M type DC300 cartridges. Data transfer rate is 192 kHz using a MFM recording mode. With 300' (91.5-m) tape lengths, max unformatted storage is 11.5M bytes; 450' (137-m) tapes give 17.3M bytes. To reduce rewind time, the transport uses a serpentine technique in which adjacent tracks are recorded in opposite directions. Recording speed is 30 in (76 cm)/s, while rewind and search occur at 90 in (228 cm)/s. Displacement is 0.375" and 3.38" (0.952 and 8.58 cm) at 30 and 90 in (76 and 228 cm)/s, respectively. Instantaneous speed variation is only $\pm 3\%$ with a long term variation of $\pm 2\%$. **Kennedy Co.**, 540 W Woodbury Rd, Altadena, CA 91001. Circle 275 on Inquiry Card

100M-BYTE DISC DRIVE



Rack mountable 10.5" (26.7 cm) high self-contained random access mass storage unit storing more than 100M bytes on a removable disc pack, BD-100 has 5 read/write surfaces, each carrying 1024 tracks, and storing a total of 103.22×10^6 bytes. Each track carries 20k bytes or 161k bits (including header and gaps). Track density is 465 tracks/in (183)/cm. Recording method is MFM, bit serial. A closed loop head positioner servo system receives positioning information from tracks prerecorded on one dedicated disc surface, providing reliable positioning without external references. Max access time averages 30 ms; between two adjacent tracks, 5 ms; and across max tracks (0 to 1024), 55 ms. Latency time average is 8.3 ms and max is 16.7 ms. Data transfer rate is 9.68×10^6 bits/s at a std rotational speed of 3600 r/min. Start and stop times are 20 s. **Ball Computer Products**, 860 E Arques Ave, Sunnyvale, CA 94086. Circle 276 on Inquiry Card

DATA ACQUISITION SYSTEM FOR MINICOMPUTERS

PDAS-250 uses an overlapped conversion method to offer throughput of 250k samples/s. A-D data acquisition system is compatible with most minicomputers and high speed 16-bit microcomputers. The unit combines 12-bit binary A-D/D-A resolution; 250-kHz throughput, and channel density of 256 A-D channels/housing. A front panel binary controller with data and channel LED indicators and toggle switches allows local manual access to the system. Up to 256 single-ended or 128 differential A-D channels are available coresident with up to 32 D-A channels. Simultaneous sample/hold option allows up to 64 analog A-D channels to be sampled at precisely the same time (± 1 ns) and then rapidly digitized and transmitted to computer memory. **Datel Systems, Inc.**, 1020 Turnpike St, Canton, MA 02021. Circle 277 on Inquiry Card