Fingertip Help.

System 480 is the most powerful key-to-disk system on the market. The most flexible. The easiest-to-learn and easiest-to-operate. With up to 32 DATA/SCOPE keystations. A 65K processor. Up to 10,000,000 bytes of intermediate disk storage. A variety of tape drives for final output. A printer. Communications capability. And the most comprehensive software in key-to-disk.

Our 480 character visual display is designed for constant interaction. Operators can build a whole record right on the screen. Our *exclusive HELP! button* guides the operator through all normal functions and displays alternatives for any situation she's unsure of.

Errors are caught with the source document in hand. Verification is often unnecessary. Error correction procedures are the simplest in the industry. Features like error flag insertion, searching, character strike-over capability and character or record insert/delete are all standard. Data commonly duplicated is corrected only once—since it is recorded only once.

ENTREX

System 480 Key-to-disk

SYSTEM 480 EDITING AND VALIDITY CHECKS.

NUMERIC-ONLY FIELDS
Only the digits 0 through 9 and the plus or minus sign are permitted in numeric-only fields. The keyboard locks and an error message is displayed if an attempt to enter any other character is made.

ALPHABETIC-ONLY FIELDS
Alphabetic-only definition prevents the operator from entering the digits 0 through 9 in the field. The keyboard locks and an error message is displayed if the operator attempts to enter a digit.

CHECK DIGITS
System 480 can validate or generate a check digit in modulus 7, 10, 11, complemented, or uncomplemented.

FIELD BOUNDARY CHECK
The field boundary check prevents the operator from keying an excess of characters into the field and, thereby, overflowing into the next field.

MANDATORY ENTRY
AND COMPLETION FIELDS
Specifying mandatory entry for a field during data entry insures that at least one character must be entered. Specifying mandatory completion for a field insures that the operator enters a character into each position of the field.

RANGE CHECKS
Range checks insure that the number entered is not above or below a specified range. If the number is not within the range, an error message is displayed.

BATCH TOTALS–ZERO BALANCE
Twenty different batch total or zero balance functions can be specified for each batch. When the entry operator terminates the batch, the system automatically totals or balances the specified fields. Key verification is used for out-of-balance fields only until errors are corrected.

SUBTOTALING
System 480 provides a document subtotaling capability within batches. Subtotals entered by the operator are compared with subtotals calculated by the system; if a miscompare occurs, the erroneous subtotal is flagged.

AUTOMATIC INCREMENT FIELDS
The automatic increment function provides for a field to be designated as a record counter. A count of one is added to the field each time a new record is processed by the system.

AUTOMATIC DUPLICATING AND SKIPPING
Automatic duplicating causes data from one record to be copied into corresponding positions of the next record and requires no keystrokes by the operator. Automatic field skipping can be specified for fields that are normally space or zero filled. Automatic functions are turned on or off using the auto key.

AUTOMATICALLY EMITTED DATA
Standard data is automatically inserted in the record during entry. No keystrokes by the operator are required.

SUPERVISORY ACCESS
The supervisor can use any keystation to perform supervisory functions. However, access to the supervisory function is password protected to prevent unauthorized personnel from using the functions.

RIGHT JUSTIFICATION
When a field specified for right justification if released by the operator, the data is shifted to the right hand boundary of the field. Character positions to the left that do not contain keyed data are filled with spaces or zeros, as desired.

ZERO OR SPACE FILLING
All unused character positions of a field can be filled with either zeros or spaces when the operator releases the field. The type of filling desired can be specified regardless of whether right justification is specified.

DELETE/INSERT RECORDS
Delete and insert keys allow the deletion of entire records from a batch and the insertion of new records at any point in a previously entered batch. When records are inserted and/or deleted, all record numbers are updated accordingly.

FIELD/RECORD CORRECT
Simple key depressions allow the rekeying of an entire character, field, or record in verify or examine mode.

FIELD AND RECORD COUNTERS
Field and record counters are included as part of the 40 character status line so that the operator knows the position in the file at a glance. Mode, program number, and the status of the auto functions also appear on the same line.

SELECTIVE VERIFICATION
Verification by rekeying or visual verification can be specified on a field-by-field basis. The verify operator needs to rekey critical fields only. Conditional verification based on the results of batch balancing is also available.

SIGNED NUMERIC FIELDS
A simple key depression automatically oversigns any key in a field. The sign can be either plus (+) or minus (-).

COMPLETE CURSOR CONTROL
A Cursor (blinking rectangle) always indicates the operator's position in the batch. The Cursor can be moved forward or backward a character, field or record for error correction or examination.

IMMEDIATE LOCATION RETURN
One keystroke returns the Cursor to the previous keying position after a backspacing operation.

ERROR FLAG INSERTION
Fields that cannot pass a validity check (e.,g., range check) because of a source document error can be flagged.

SEARCH FOR ERROR FLAG
Any batch can be searched with only those records containing error flags displayed. To facilitate correction the Cursor is positioned on the error flag.

INTERACTIVE PROGRAM GENERATION
Included in the supervisory functions is interactive program generation. The system requests the information needed to create an entry format, and the supervisor responds to the questions as they are displayed on the screen.

SEARCH FOR RECORD NUMBER OR KEY
System 480 can search for and display any records with specified record numbers, or it can search for key fields or character strings.

TEN PROGRAMS PER BATCH
Each batch can use nine user-designed entry programs and an 80-character system-supplied program.

UNLIMITED PROGRAM STORAGE ON DISK
An unlimited number of entry programs can be stored on the System 480 disk. Any number of stations can use any format from the program library.

SYSTEM STATUS REPORTS
The status of each batch in the system can be displayed or printed on a serial or line printer.

OPERATOR ANALYSIS
Operator analysis provides information concerning the time spent on each batch by the entry and verify operators, their gross and net keystrokes, and the number of corrections made by the verify operator.

OUTPUT REFORMATTING
During output the order of fields can be rearranged within a record or among records, spaces, zeros, and standard data can be inserted, fields can be duplicated from up to 9 different saved records, and records can be blocked or broken into smaller output records.

TAPE RECORD LENGTHS
Tape records can be of variable length up to 1,000 characters. Records up to 4,096 characters are optional.

TAPE READ
As a standard feature, System 480 includes the ability to read a tape onto the disk for entry of additional records or for reformatting and subsequent output.

TAPE DUMP
System 480 provides the ability to print data tapes without first requiring a tape-to-disk operation. Non-interruptive tape output and input writing files onto magnetic tape, printing them, or reading them back onto the disk does not interrupt data entry or verification.

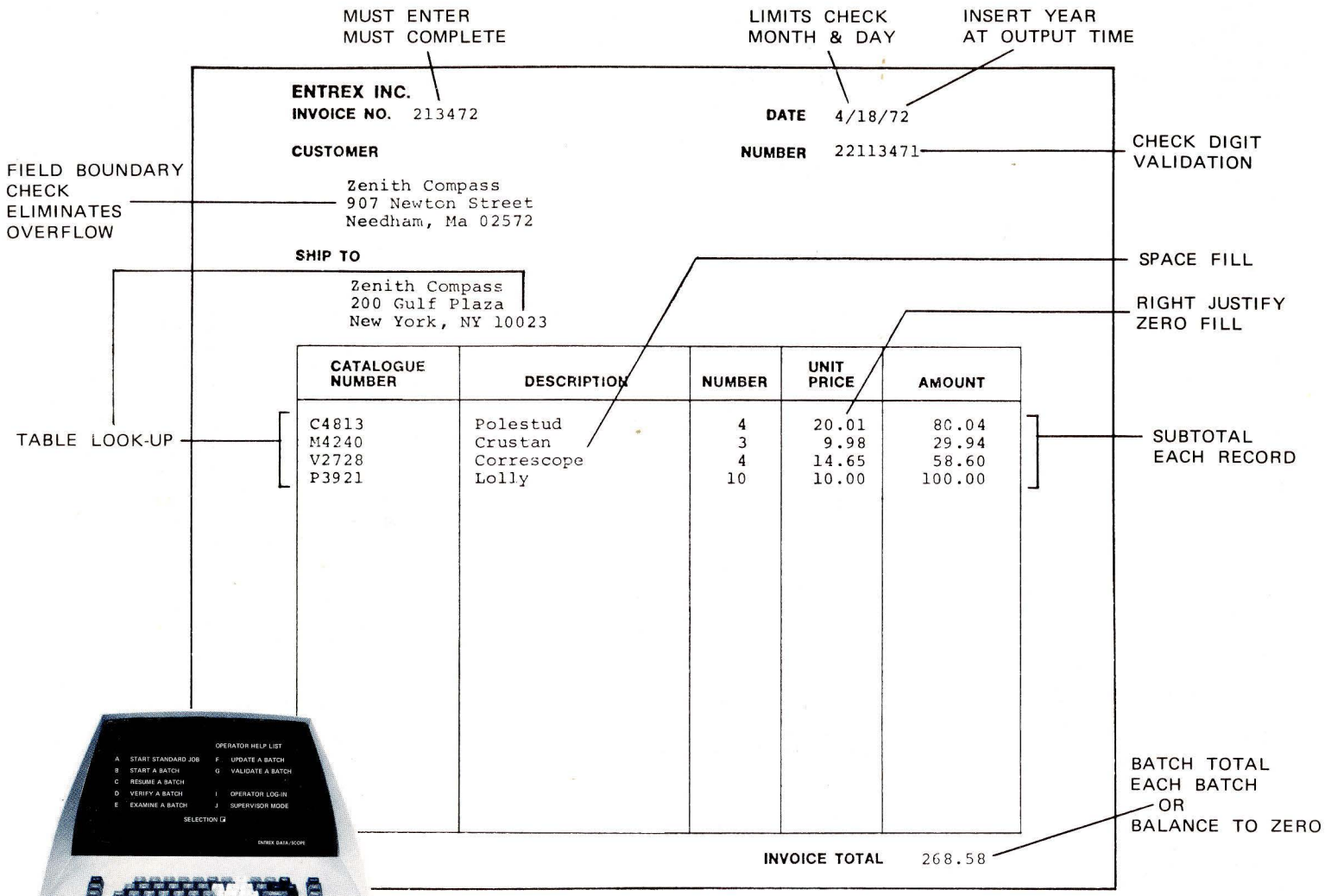
STANDARD TAPE LABELS
System 480 can generate any tape label required by the user's mainframe computer. Header and trailer labels can contain a record count and/or block count.

VALUE SET COMPARISONS
System 480 can maintain up to 20 value tables for rapid table lookup and comparison at input time.

STANDARD JOB LIBRARY
The names of formats that are frequently used together and other specifications that are standard for a batch can be stored in a standard job library. Then the operator can start a batch by requesting the desired job, it is not necessary to specify individual entry programs, etc.

BATCH STATISTICS
AND OPERATOR ANALYSIS
System 480 provides two sets of statistics that indicate the status of each batch on disk and measures the operator's speed and accuracy. Batch statistics is a standard feature and the more detailed operator analysis is an optional feature.

Fingertip Help.



With System 480, data is edited and checked as it is keyed—and not at the end of a batch. Using features like range checking and table lookup. Multiple check digit validation. Mandatory entry and field boundary checks. Crossfooting and more. Just about any edit function you can imagine.

Our software is aimed at the non-technical user who wants easy training and implementation. And application flexibility. Data entry supervisors can develop their own formats (programs). You can even perform System 480 processing at any distance—with remote keystation communications.

With System 480, your mainframe is freed to do what it's intended to do—concentrate on high speed processing. It all adds up to more throughput—and lower data preparation costs.

ENTREX

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