Olivetti TCV 270 System

Display system for:
- on-line and real-time applications
- the interrogation and updating of centralized files
- remote data entry
- decentralized data control
Compatible with a wide range of computers
Advanced modular design; wide range of peripherals can be connected

Models
TCV 275 stand-alone version for direct connection to the telephone lines.
TCV 277 cluster version for connection to telephone lines by means of concentrator (Branch Scanner).

TCV 270 BASIC SYSTEM
Central unit
LSI components.
Logic control unit for interpreting instructions and logic decisions.

Memory
ROM (Read Only Memory) microprogram memory, containing programs for controlling the machine's basic functions.
RAM (Random Access Memory) for storing the data that are displayed on the screen.

Data input and output units
Model 1 screen: capacity 480 characters, 12 lines of 40 columns.
Model 2 screen: capacity 1920 characters, 24 lines of 80 columns.
One line for displaying the status and
OPTIONS AND PERIPHERALS

ROM microprogram memory for controlling peripherals.

ROM microprogram memory for complex data formatting, checking and processing functions (Field Definition Table).

RAM data and program memory, which can be extended up to 8 K for storing data, control masks and application programs.

ROM microprogram memories can be produced on request, e.g. check digit, algorithm etc.

Set of 96 characters (upper and lower case, or special alphabet) for display.

12 function keys for generating coded messages which can be recognised by the CPU’s software, and for format selection.

Conversation procedures can be programmed for connection to a wide range of computers.

LPD 270 - light pen for rapid selection of data displayed on the screen.

SV 160 - high speed serial printer: 165 characters per second.

Field Definition Table functions

Right-hand justification of numeric fields with or without zero filling.

Check digit generation and verification.

Field length check.

Range checking.

Control of data input sequence.

3 independent algebraic registers.

BRANCH SCANNER

Maximum of 32 VDUs per Branch Scanner (8 in basic version).

Maximum of 18 local lines per Branch Scanner (2 in basic version).

Maximum of 4 VDUs per local line.

Maximum distance of 2000 feet (700 metres) between Branch Scanner and last terminal in festoon.