

1242 Communication Terminal Description

The Memorex 1242 Communication Terminal is a high speed buffered keyboard/printing terminal operable at printing speeds of 120 characters per second. The 1242 is designed to operate as a multidropped USASCII terminal on a private communication line. When used in conjunction with a properly configured Memorex 1270 Terminal Control Unit, a properly configured 1242 can simulate the IBM 2740, Model 2 type of terminal. The printer design includes a removable tractor feed, easily facilitating continuous forms (original and up to 5 copies).

The 1242 Communication Terminal uses the standard USASCII 94 printable character set and a 120-character print line. The line buffer (up to 512 characters) provides for increased communication network efficiency by allowing the operator to prepare and edit a block or line of data before it is transmitted. Data can be transmitted and received at 1200 BPS. Special features on 1242 and 1270 will support 1800 BPS. Further throughput efficiencies can be achieved by use of the split buffer. This feature

allows an operator to continue keying a block of data while another block is waiting to be polled by the CPU. When receiving data, the split buffer enables the 1242 to receive one block of data, while another block is being printed. Again, terminal throughput and line utilization are enhanced.

Error Checking (VRC and LRC) is performed on all data which is transmitted or received by the 1242, to insure data integrity. Optional features include 30 and 60 CPS print speed, electronic horizontal tab, auxiliary numeric keyboard and vertical forms control.

An exclusive Memorex self-test switch is provided on all 1242 terminals. The self-test switch is designed to minimize unscheduled terminal interruptions and frequently eliminates the need for a service call by a Memorex Field Support Representative.

When a potential maintenance situation arises, the terminal operator performs a local diagnostic test using the self-test switch. At this time, the operator can initiate a controlled terminal diagnostic by following the simple instructions of the operator's guide.



MEMOREX

1242 Communication Terminal

THE COMPUTER HISTORY MUSEUM



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**1242 Communication Terminal
Highlights****Transmission**

Code USASCII, 10-bit code
Interface EIA Standard RS-232C
Speed 1200 BPS

Printer

Type Impact-original and up to
5 copies
Manifold print cartridge

Paper Up to 14 $\frac{7}{8}$ " wide—con-
tinuous form or single
sheet. Automatic out-of-
paper interrupt.

Line Length 120 characters
10 characters/inch

Graphics 94 printable graphics—
USASCII standard char-
acter set

Forms Feed Friction platen or remov-
able tractor feed adjust-
able up to 14 $\frac{7}{8}$ " wide

Line Feed 15 lines/second

Line Spacing 6 lines/inch

Print Speed 120 CPS

Ribbon $\frac{1}{2}$ " wide fabric, Memorex
only

Keyboard

60 keys
Generates full 128 USASCII characters
Two key rollover

Control Logic

Multipoint line control
VRC and LRC record checking
256 character buffer

Switches

Power on/off
Reset
Local/Communicate
Return/Return-line feed

Indicators

Ready
Data
Attn
Enter
Bid
Stdby
Audible Tone

Size

Height—35"
Width—28"
Depth—23"

Weight

150 lbs.

Service

24 hours - 7 days/week at no additional
monthly charge (includes self-tester
controls)

Memorex Corporation

Equipment Group
San Tomas at Central Expressway
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**1242 Communication Terminal
Optional Features**

Speed 1200 BPS standard
1800 BPS when supported
in conjunction with the
Memorex 1270 controller

Printer

Speed 30, 60 and 120 CPS
Forms Feed Vertical Forms Control
Top of form and vertical
tabs
Paper Lower forms stacker stand

Keyboard

Auxiliary numeric keyboard

Control Unit

Electronic horizontal tab—local or
remote tab set/clear
Additional 256 character buffer
Split buffer—256 characters each