



multi-function
custom
terminals

FEATURES

The customizable DM "S" Series terminal is predicated upon Beehive's proven standard DM Series. They are designed for applications by OEM and system houses requiring special protocols and unique value-added applications. Also, they can be used when implementing systems into communication networks requiring synchronous or asynchronous transmission. Several industry standard protocols have been incorporated to offer the system designer a more economical alternative to network requirements or unique protocols may be designed in firmware to meet a variety of special applications.





OEM CUSTOM PRODUCTS

SUPPLEMENTARY DATA SHEET

The unique 'S' product range is designed to provide a standard hardware base capable of being adapted by software population to a variety of applications.

Using the proven DM logic design, based on the Intel™ 8085A microprocessor and its associated support chips, each 'S' product is complete except for its software personality.

A variety of custom software packages is available from Beehive, or your OEM requested application program may be implemented. Alternatively for the sophisticated user, Intel™ compatible source code of standard programs is available under license to permit custom developments.

Three 'S' products are available, each having a unique keyboard layout designed for a particular application and a varied memory population.

DM1S—Conversational Layout

(see data sheet of model DM1A for keyboard details)

DM2S—Block/Editing Layout

(see data sheet of model DM20 for keyboard details)

DM3S—Block/Edit/Multipage Layout

(see data sheet of model DM30 for keyboard details)

HARDWARE SPECIFICATIONS

(All products, except as noted.)

VIDEO

MONITOR: 12" Diagonal, P4 Phosphor, Optional Green P42.

DISPLAY: Dark on light or light on dark.

FUNCTION KEYS: 2 rows of 20 each optional.

VIDEO GENERATION: Intel™ 8275A CRT controller and 8257 DMA controller.

VIDEO FORMAT: Variable by program control.

VIDEO ATTRIBUTES: 8275 dependent, visible or invisible, blink, reverse underline, half intensity.

CHARACTER GENERATION: MOS ROM (socketed Intel™ 2716 equivalent), supplied with standard 128 character generator.

CHARACTER MATRIX: Programmable up to 8 x 10 cell with sequential dots (permits generation of linking characters).

LINE DRAWING: 32 x 8 ROM provides 11 standard line drawing characters.

REFRESH MEMORY: MOS RAM (Mostek™ 4104 equivalent) up to 12K total capacity (model dependent: 1S and 2S-8K; 3S-12K).

REFRESH RATE: Program controlled.

COMMUNICATIONS

MAIN PORT: RS232C, synchronous or asynchronous, Intel™ 8251A USART and 8253 timer. Communication rates up to 19,200 baud.

SWITCH SELECTABLE: 20 MA current loop adapter, communication rates up to 9600 baud.

AUX PORT: RS232C, synchronous or asynchronous, Intel™ 8251A USART and 8253 timer. Communication rates up to 19,200 baud.

PARALLEL PORT: Centronics™ compatible 37WAM connector (DM3S only).

PROGRAM MEMORY: 6 sockets (2716 or equivalent).

RAM CAPACITY: 12K (Mostek™ 4104 equivalent).

SPECIFICATIONS SUBJECT TO CHANGE AT ANY TIME WITHOUT NOTICE

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