

**Data Sheet**

**Top-of-the-line  
Intelligent Terminal  
System**

# OP-1/70



**Ontel Corporation**

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The OP-1/70 is Ontel's top-of-the-line user programmable intelligent terminal system. It incorporates a variety of optional peripheral equipment designed to meet high speed I/O operational needs. Its total flexibility and versatility permits the user to customize the system in any configuration desired, but allows total expansion capabilities to ensure that the system can expand as future processing needs are increased. This flexibility assures that your original investment is protected.

The OP-1/70 may be arranged in a cluster configuration to provide a distributed

processing system, connected to a host computer, or as a standalone terminal system. The OP-1/70 incorporates an unique structure that utilizes up to 64K of memory and up to three microprocessors to provide a high speed communications environment with high volume I/O.

All peripherals have complete I/O support in each of the high level language packages provided by Ontel, including our own English-like OP/L high level language.

The OP-1/70 offers a 14 inch non-glare CRT, a typewriter-like keyboard arranged in four

functional sections that generate unique codes readable by the CPU. Various peripheral options like parallel printers available in various speeds, diskette and disk drives, and IBM compatible magnetic tape drives, are available from Ontel for the OP-1/70.

Ontel offers a choice of synchronous communications up to 50,000 baud or asynchronous communications up to 38,400 baud. All these outstanding features make the Ontel OP-1/70 one of the most outstanding units available on the market today.

**General Specifications**

<b>Display Features</b>	<ul style="list-style-type: none"> <li>■ 14 inch non-glare screen arranged in 24 lines of 80 characters.</li> <li>■ screen can be formatted into discrete fields.</li> </ul>	<ul style="list-style-type: none"> <li>■ manual controls for contrast, brightness.</li> <li>■ user programmable blinking cursor for next character position.</li> </ul>						
<b>Dot Matrix</b>	<ul style="list-style-type: none"> <li>■ 5×7 or 13×9 upper case</li> </ul>	<ul style="list-style-type: none"> <li>■ 5×9 or 13×11 lower case</li> </ul>						
<b>Character Set</b>	<ul style="list-style-type: none"> <li>■ 128 basic or 256 user-defined</li> </ul>							
<b>Horizontal/Vertical Scroll</b>	<ul style="list-style-type: none"> <li>■ Allows scrolling up or down or left to right under software control for easy viewing of text.</li> </ul>							
<b>Display Enhancement</b>	<ul style="list-style-type: none"> <li>■ White on Black/Black on White/Full, Half and Double Intensity</li> <li>■ Blink/Reverse/Underline</li> </ul>							
<b>Keyboard Features Includes</b>	ASCII Section/Control Pad/Numeric Pad/Function Pad/with four lighted keys							
<b>Standard Configuration</b>	<ul style="list-style-type: none"> <li>■ CPU-M with up to 64K RAM MAX.</li> <li>■ 200 nsec CPU cycle time.</li> <li>■ Serial Asynchronous Adapter Port up to 19,200 baud.</li> </ul>	<ul style="list-style-type: none"> <li>■ Fixed Data Switches</li> <li>■ Display Microprocessor</li> </ul>						
<b>Memory</b>	Up to 64K RAM with optional parity checking.							
<b>Optional</b>	Input/Output Microprocessor—DMA I/O microprocessor for interfacing device controllers.							
<b>Backplane</b>	<ul style="list-style-type: none"> <li>■ 7 connector</li> <li>■ Slot 1 display                             <table style="margin-left: 20px; border: none;"> <tr> <td>2 CPU-M</td> <td>5 optional controller</td> </tr> <tr> <td>3 IOM</td> <td>6 optional controller</td> </tr> <tr> <td>4 optional controller</td> <td>7 optional controller</td> </tr> </table> </li> </ul>		2 CPU-M	5 optional controller	3 IOM	6 optional controller	4 optional controller	7 optional controller
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<b>Device Controllers</b>	The large selection of I/O Device Controllers currently available from Ontel include:	<ul style="list-style-type: none"> <li>■ IBM Compatible Tape Controller—9 track/800 or 9 track/1600 bpi tape</li> <li>■ Disk Controller—interface to Ontel File Controller which supports eight processors and up to 80 megabytes of Hard Disk storage.</li> <li>■ Diskette Controller—interface up to four diskette drives, single or double density, fixed or IBM format.</li> <li>■ Character or Line Printer Controller—parallel ASCII printer interface</li> <li>■ Word Mover Controller—special purpose controller used in Ontel Word Processing Systems.</li> </ul>						
<b>Printer Interfaces</b>	Centronics parallel interface/Diablo Hytype II with special adapter							
<b>Physical Dimensions</b>	Height: 16.6"    Width: 22.5"    Depth: 24.5"	Weight: 65 lbs.						
<b>Power Requirements</b>	Voltage (VAC): 115 or 230 Frequency (Hz): 60 or 50							
<b>Environmental Requirements:</b>	Temperature F°: +50 to +100 Temperature C°: +10 to +38	% Relative Humidity: 10 to 95 Altitude: Up to 8,000 feet above sea level						