

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Keysight / Agilent 64203A* at our website: ***Click HERE***

HEWLETT PACKARD

Real-Time Emulator Intel® 8080/8085

MODEL 64202S
MODEL 64203S

TECHNICAL DATA 1 NOV 82

Description

Models 64202S and 64203S Emulators offer real-time emulation of Intel 8080 and 8085 microprocessors. This capability brings the power of emulation to all phases of microprocessor-based product design, development, and maintenance. As subsystems of the HP 64000 Logic Development System, Models 64202S and 64203S emulators also provide access to the other sophisticated software and hardware development tools of the 64000 System. With the versatile 64000 System, you can speed your 8080/8085-based systems to market.

Models 64202S and 64203S are part of an integrated set of design and development aids for 8080/8085 processor products. Compilers and assembler/linkers are available to accommodate programming at the most efficient level. Directed syntax softkeys and an easy-to-use, responsive editor streamline software development and documentation. Accelerate your design cycle by selecting the best 64000 system for your 8080/8085 development needs. Convenience, ease of use, and the measurement power of the 64000 System help you produce a better 8080/8085 product in less time, to gain a competitive edge.



Emulator Features

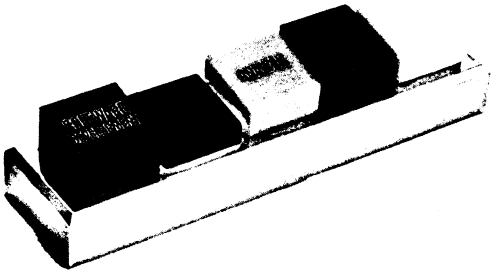
- Real-time execution to 4 MHz (8080) or 5 MHz (8085) with all memory mapped to target system
- Real-time execution to 3.5 MHz (8080) or 4.75 MHz (8085) independent of emulation/target memory assignment

Memory Mapping Features

- Mapped in 1k-byte blocks over 64k-byte address space
- Up to 64k bytes of emulation memory available
- Designate blocks as RAM, ROM, or illegal
- Assign blocks to host system or target system

Analysis and Debugging Features

- Powerful internal logic analyzer for real-time monitoring of processor bus activity
- Single cycling and register displays of processor's internal activity
- Simulated I/O for emulator access to 64000 System resources: disc files, printer, and development station keyboard, display, and RS-232 port
- Symbolic debugging



®Registered, Intel Corporation

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Characteristics

ELECTRICAL, 64202S

Maximum Clock Speeds (Valid with Intel 8224-4 clock generator): With no wait states inserted, 4 MHz with all memory assigned to target system; 3.5 MHz with any memory assigned to emulation memory. With wait states inserted, 4 MHz. (Wait states are inserted only when accessing emulation memory.)

Emulation Pod to Target System Interface: low power Schottky TTL levels with capacitance of 20 pF, except clock inputs which meet Intel 8080 specifications plus capacitance of approx 20 pF.

ELECTRICAL, 64203S

Maximum Clock Speeds: With no wait states inserted, 5 MHz with all memory assigned to target system; 4.75 MHz with any memory assigned to emulation memory. With wait states inserted, 5 MHz. (Wait states are inserted only when accessing emulation memory.)

Emulation Pod to Target System Interface: low power Schottky TTL levels plus capacitance of approx 20 pF.

PHYSICAL

Cable Length: development station to emulation pod, approx 1.5 m (5 ft); emulation pod to target system interface, approx 305 mm (1 ft).

ENVIRONMENTAL

Temperature: operating, 0° to 40° C (+32° to +104° F); nonoperating, −40° to +75° C (−40° to +167° F); operating survival, −20° to +50° C (−4° to +122° F).

Altitude: operating, 4600 m (15 000 ft); nonoperating, 15 300 m (50 000 ft).

Relative Humidity: 5% to 80%.

Ordering Information

A complete 8080/8085 emulator consists of Model 6420XS Emulator subsystem, and Model 64152S Emulation Memory system; and Model 64300A 40-channel Internal Logic Analyzer is available to display activity on the emulator bus. Emulator software is available on flexible disc (6420XSF) or tape cartridge (6420XST) for transfer of the emulator operating system to mass storage. Model 64840AF/AT 8080/8085 Assembler/Linker and Model 64810AF/AT 8080/8085 Pascal Compiler are highly recommended; they are also transferred to mass storage. Only one set of software is needed for each 64000 System cluster.

Model 64202S 8080 Emulation Subsystem
Model 64203S 8085 Emulation Subsystem
Model 64202SF 8080 Emulation Software on flexible disc
Model 64202ST 8080 Emulation Software on tape cartridge
Model 64203SF 8085 Emulation Software on flexible disc
Model 64203ST 8085 Emulation Software on tape cartridge
Model 64152S 32k Byte Emulation Memory System
Option 011 64k Byte Emulation Memory System
Model 64300A 40-Channel Internal Logic Analyzer
Model 64840AF 8080/8085 Assembler/Linker on flexible disc
Model 64840AT 8080/8085 Assembler/Linker on tape cartridge
Model 64810AF 8080/8085 Pascal Compiler on flexible disc
Model 64810AT 8080/8085 Pascal Compiler on tape cartridge

COMPONENTS

Model 64201A 8080/8085 Emulation Control Board
Model 64202A 8080 Emulator Pod
Model 64203A 8085 Emulator Pod
Model 64151A Emulation Memory Control Board

5953-2798 Data subject to change PRINTED IN U.S.A.

For more information, call your local HP Sales Office or nearest Regional Office: Eastern (301) 258-2000; Midwestern (312) 255-9800; Southern (404) 955-1500; Western (213) 877-1282; Canadian (416) 678-9430. Ask the operator for Instrument Sales. Or, Write: Hewlett-Packard, 1501 Page Mill Road, Palo Alto, CA 94304. In Europe: Hewlett-Packard S.A., 7, rue du Bois-du-Lan, P.O. Box CH-1217 Meyrin 2, Geneva, Switzerland. In Japan: Yokogawa-Hewlett-Packard Ltd., 29-21, Takaido-Higashi 3-chrome, Suginami-ku, Tokyo, 168.

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP