

**Siemens System 7.800****New Product Announcement**

In January 1981, Siemens announced three new 7.800 models—the 7.865-2, 7.875-2 and 7.881-2—and at the same time, revamped the existing models—the 7.870, 7.872, 7.880, and 7.882—which are now known as the 7.870-2, 7.872-2, 7.880-2, and 7.882-2, respectively. The Version 2 designation reflects price changes, particularly in the area of maintenance charges and memory costs. The target area for the Version 2 models ranges from the IBM 4341-2 to the IBM 3081, but only with MVS/OS/VM operating systems.

**MODEL 7.881-2:** Siemens new Model 7.881-2 is designed to compete against the IBM 3081. With memory ranging from 8 to 32 megabytes, and performance rated at 10.2 MOPS (millions of operations per second), the 7.881-2 is priced approximately 25 percent lower than its IBM rival. Users have at their disposal between 24 and 32 channels, 8 of which can be used as multiplexor channels operating in data stream mode.

In architecture and performance, the 7.881-2 is similar to the 7.882-2; however, it lacks a second Memory Central Unit (MCU) as well as a second service processor.

**MODEL 7.865-2:** The second of three new models, the 7.865-2 is marketed by Siemens as the 7.800 entry-level model, designed to compete against the IBM 4341-2. Memory can be expanded from 4 to 12 million bytes. As with all the latest offerings in the 7.800 computer family, the smallest computer uses 64K-bit MOS chips.

**MODEL 7.875-2:** The third new entry in the 7.800 Series, the 7.875-2 offers a 16 percent performance increase and a 20 percent lower price in comparison to the competing IBM 3033N.

**CHARACTERISTICS OF NEW MODELS**

	<b>7.865-2</b>	<b>7.875-2</b>	<b>7.881-2</b>
MOPS-Rate	N/A	4.3	10.2
Main Memory (minimum, maximum)	4-12 MB	8-24 MB	8-32 MB
Memory Cycle Time (nanoseconds)	420	364	364
CPU Cycle Time (nanoseconds)	70	26	26
Channels (minimum, maximum)	6-8	8-16	24-32
Buffer storage	16KB	32KB	2 x 64KB

An essential feature of the seven CPU's in the 7.800 spectrum is the upgrade path within two divergent product categories. One may upgrade the entry-level Model 7.865-2 to the status of the 7.872-2 by first bringing it up to the intermediate power level of the Model 7.870-2. Likewise, a Model 7.875-2 can be upgraded to a 7.880-2 and eventually attain the performance and power engendered in the models 7.881-2 or 7.882-2.

In the first upgrade path, a performance increase of 2.5 is gained; in the second case, a 2.4 fold increase is realized.

In addition to the new computers, Siemens offers a new 2 x 635 megabyte disk drive for mass storage.

Siemens also announced that version E40 of the BS3000 operating system would be available early this year. BS3000 supports all memory sizes within the 7.800 range. In addition, all BS3000-compatible operating systems can be run in System 7.800 environments. This includes IBM operating systems VM/370, OS/VS1, MVS, MVS-SE, and MVS-SP.

Siemens System 7.800 competitiveness is structured in the following way:

Siemens Model	IBM Comparable Model
7.865-2	4341-2
7.870-2	3033S
7.875-2	3033N
7.880-2	3033U
7.881-2	3081

The Siemens 7.872-2 and 7.882-2 are dual-processor versions of the 7.870-2 and 7.880-2, respectively, offering approximately 1.65 times the power of the uni-processor models. ■