

Registration No.	Number 00042		
Registration Date	October 6, 2009	Registration Category	Category 1

Name (Model, etc.)	【 Supercomputers 】 (1) Supercomputer HITAC S-810 (2) Supercomputer HITAC S-820		
Location	Hadano City, Kanagawa Pref		
	Hitachi, Ltd.		
Owner (Custodian)	Hitachi, Ltd.		
Manufacturer (Company)	Hitachi, Ltd., Kanagawa Works		
Year Manufactured	(1) 1982, (2)1987		
Reason For Selection	<p>These are Japan's first full -featured supercomputer and its next-generation successor that were completed and shipped. The S-810 employed parallel pipeline arithmetic processing with multiple computing elements operating in parallel, and thus had the world's fastest capacity performing 630 million operations per second. Users were also attracted by the same ease-of-use as previous general-purpose computers, and the range of advanced features and functions. This S-810 computer is only known to still exist. The successor to the S-810, the S-820, featured very-high-speed vector registers based on newly developed ultra-high-speed memory elements that enabled the computer to reach a top processing speed of 3 billion operations per second. The system was also the first supercomputer in the world to have a video output mechanism, thus enabling easy visualization of massive amounts of processed data. Both computers shattered previous processing speed records, and clearly demonstrated Japan's originality in science and technology to the rest of the international community.</p>		
Registration Standard	1 - B		

Open/Closed to Public	Open to Public
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Photo		
	Left : HITAC S-810 (the year in the photo is the year that the first model was shipped).	Right : HITAC S-820.

Other useful information	HITAC S-810 : The logic package is extant. HITAC S-820 : The logic package, the expanded memory unit, the power module (1 unit), and the memory module (1 unit) are extant.
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