



SF1000

Serial Flash Expansion Boards

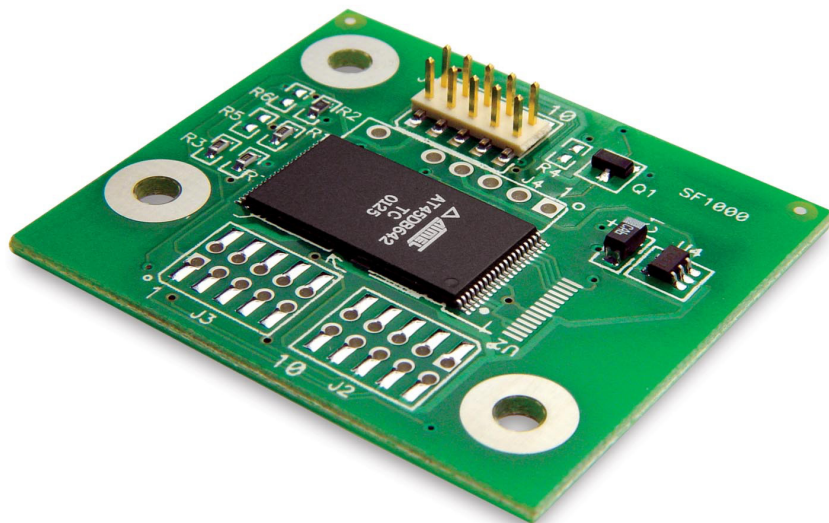
Models SF1004, SF1008

The SF1000 offers serial-interfaced Flash memory designed to significantly increase the data-storage capabilities of any embedded control system. Memory configurations of 4 or 8 MB are available..

Features

- Simple serial peripheral interface (SPI)
- Data easily retrieved and downloaded to another system
- Board easily removable
- Different models offer up to 8 MB of Flash memory

These Serial Flash cards are ideal for applications that require temporary storage of large amounts of data collected from a system's controlling device. Data stored on an SF1000 can be retrieved and downloaded to another user system via TCP/IP or serial communications if supported on the controlling board. Alternatively, the card itself can easily be removed to facilitate data transfer at another location.



Any product can utilize the SF1000 with either a synchronous serial peripheral interface (SPI) or an emulated SPI via parallel I/O ports. Rabbit-based systems require Dynamic C® 7.05 or later software. For applications employing Z180-based single-board computers, the emulated SPI method is used, which requires Dynamic C 32 software.

The SF1000 comes with a 10-pin, 2 mm, 2 x 5 header. Two additional 2 x 5 header locations that accommodate plugs or sockets either SMT or through-hole are available. A location is also provided for a 7-pin in-line header or socket. Only six connections are required to interface the SF1000 with any SBC of which 2 are power.

SF1000 Serial Flash Expansion Boards Specifications		
Feature	SF1004	SF1008
Flash	4 megabytes	8 megabytes
Block Size	512 bytes	1,024 bytes
Connectors	10-pin, 2 mm, 2 x 5 header	
Power Requirements	4.75-5.25 V DC, 60 mA max.	
Operating Temp.	-40°C to +70°C	
Humidity	5-95%, non-condensing	
Board Size	1.75" x 1.51" x 0.25" (44 x 38 x 6 mm)	