

Nonvolatile SRAMs

These Dallas Semiconductor Nonvolatile Static RAMs integrate a lithium power source and intelligent control circuitry to retain data even in the absence of system power. Nonvolatile SRAMs feature unlimited write endurance and read/write access times as fast as 70 ns. DIP package devices have a 0.600" row spacing, 0.100" pin spacing and JEDEC pinouts. PowerCap Modules (PCM) are surface-mount devices that feature a two-piece construction with the DS9034PC

PowerCap, which protects the lithium power source from high-temperature reflow soldering. The DS9034PC PowerCap is sold separately, see previous page for details. **Standard Operating Temperature Range:** 0° to 70°C. **Industrial Operating Temperature Range:** –40° to 85°C also available.

Mfr.'s Type		Memory Size	Voltage	Access Time (ns)	No. of Pins
DIP	PowerCap*				
DS1220V-100	—	2 K × 8	5.0 V	100	24
DS1230V-70	DS1230YP-70	32 K × 8	5.0 V	70	28/34
DS1245V-70	DS1245YP-70	128 K × 8	5.0 V	70	32/34
DS1250V-70	DS1250YP-70	512 K × 8	5.0 V	70	32/34
DS1258V-70	—	128 K × 16	5.0 V	70	40
DS1270V-70					