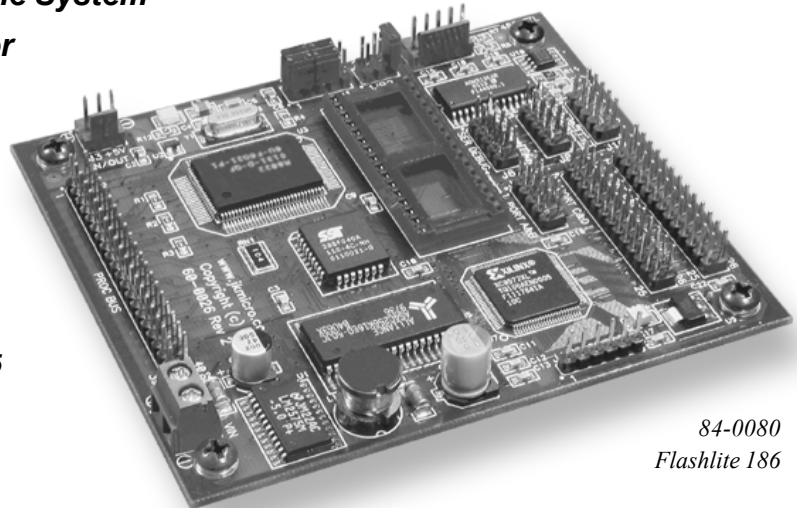


# Flashlite 186

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- **Preloaded with DOS and Flash File System**
- **33MHz 186 Compatible Processor**
- **512K Flash, 512K DRAM**
- **44 Digital I/O Lines**
- **Console / Debug Serial Port for development**
- **2 Serial Ports**
  - 1 - RS232
  - 1 - RS232 (3-wire) / RS232 (TTL) / RS485
- **32 Pin Dip Socket to accept M-Systems DiskOnChip**
- **Watchdog & (2) 16 bit Timers**
- **7-34V DC or 5V Power, 2 Watts nominal**
- **Dimensions 4.2" x 3.6" (106.7mm x 91.4 mm)**



84-0080  
Flashlite 186

The **Flashlite 186** is a low cost single board computer that is an ideal solution for many embedded applications.

Built around a 33MHz 186 compatible processor, the **Flashlite 186** controller offers 44 configurable digital I/O lines, 512K DRAM and 512K Flash memory, two serial ports and a console/debug serial port. Additional features include an onboard 7-34V DC voltage regulator, two 16-bit timers, a watchdog timer, I/O expansion port, as well as a socket to expand non-volatile memory using M-Systems DiskOnChip.

Like all members of the **JK microsystems** family of controllers, the preloaded, royalty-free DOS and flash file system provide a fast, yet comfortable environment for embedded development. By connecting the Console/Debug serial port to a PC and running a telecommunications program, engineers can immediately upload and execute programs on the **Flashlite 186** platform while having both hardware serial ports available for the user's application.

Additional features include the use of **JK microsystems** peripherals for flexible I/O expansion. The **Flashlite 186** supports the addition of LCDs, keypads, 12-bit A/D channels, relay outputs, optically isolated inputs or high current drivers.

Starting at only **\$69** per unit, with volume discounts for OEM customers, the **Flashlite 186** is a cost-effective alternative for data acquisition, communications and industrial control developments.

The **Flashlite 186 Development Kit** (99-0080) includes a **Flashlite 186** single board computer, Console Cable, Connector Kit, 110Vin AC Adapter, Setup guide, Schematic and CD with Borland C/C++ V4.52 Compiler, documentation and serial driver libraries. (220Vin Development Kit 99-0081 available.)

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