

## NEW OS EMBEDDER™ KITS SMALL SBC PLATFORM



### 5070 OS Embedder Kits

Reduce the cost of development. Be first to market. Octagon's 5070 OS Embedder features DOS 7.1, Linux 2.4.18, Windows® CE.NET 4.1, or QNX Momentics® 6.2 operating systems for our 5070 CPU. Octagon is your single hardware and software source, and we offer free technical support. Kits provide everything you need for fast, easy implementation of the operating system of your choice on one of our most versatile SBCs.

#### EACH KIT INCLUDES:

- 5070 SBC
- Cables
- 64 MB CompactFlash™
- Drivers
- Sample programs
- Documentation
- Unlimited technical support

# 5070

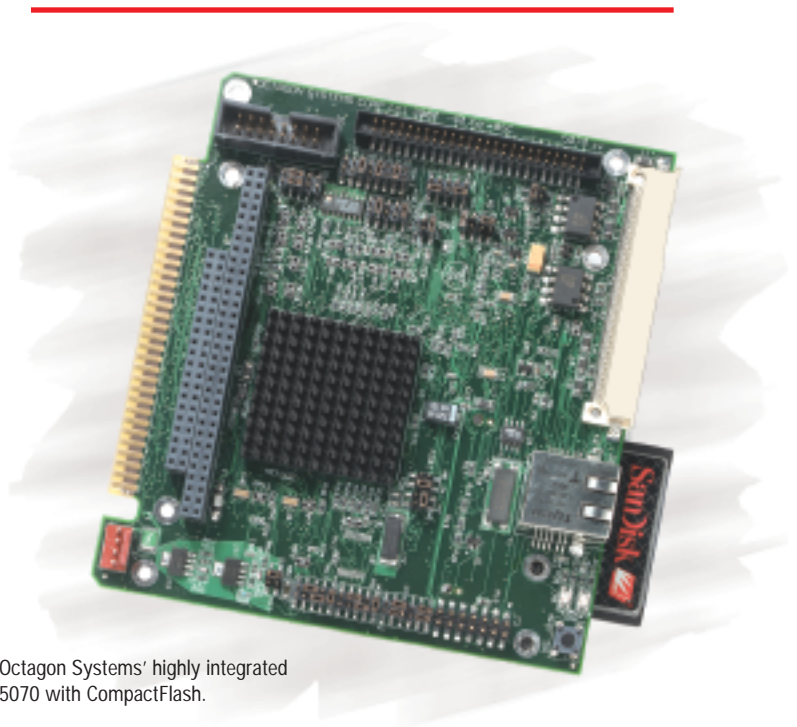
### Description

The 5070 is a highly integrated, PC-compatible, single board computer for operator interface, thin-client and other network-enabled applications. Because of its small size and low power, it is also suited for portable and mobile products.

It is powered by a 5x86 CPU operating at 128 MHz. The 5070 can operate at lower clock rates for reduced power consumption. A 10/100 Ethernet® controller provides high-speed access. The two COM ports are jumper-selectable for RS-232/422/485. Up to 32 MB of SMT SDRAM can be installed, eliminating possible vibration issues with a DIMM socket.

A CompactFlash can be installed up to 2 GB, eliminating the need for rotating media and allowing even the largest operating systems to be used, as is. The CompactFlash can be secured with an optional anti-vibration/retention device. The flash is bootable and removable. No drivers are needed.

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Octagon Systems' highly integrated 5070 with CompactFlash.



## Description (continued)

Octagon's 5070 provides AT power, performance and compatibility for space and budget-limited industrial applications. The board will operate "headless," without disks, keyboard or a monitor. The SETUP information is automatically duplicated in EEPROM, so that the system will continue to function during battery depletion and/or replacement.

### PC MOTHERBOARD FUNCTIONS

CPU: .....Low-power, 5x86 CPU,  
128 MHz  
SDRAM: .....16–32 MB SMT  
BIOS: .....256K Phoenix® with fast boot &  
industrial extensions  
Firmware: .....BIOS, DOS 7.1 & diagnostics

### ON-CARD PERIPHERAL FUNCTIONS

Serial: .....COM1 and COM2,  
16C550 compatible,  
RS-232/422/485  
Parallel: .....LPT1, bidirectional  
EIDE: .....Supports two, HDD,  
CD-ROM, etc.  
Floppy: .....Supports one drive, all sizes  
Keyboard: .....Standard AT keyboard input  
Mouse: .....Standard AT mouse input  
Speaker .....Standard AT speaker port  
Expansion: .....16-bit PC/104 expansion, ISA Bus  
Watchdog: .....Programmable 0.5-64 seconds  
Temp. sensor: .....Remotely readable. Reads  
ambient to  $\pm 3^{\circ}\text{C}$  over the full  
temperature range.  
Video: .....Asilant 69000. Resolutions to  
1280 x 1024 simultaneous CRT  
and flat panel operation, 2MB  
video RAM.  
Ethernet: .....10/100 Base-T, Intel 82559ER  
USB: .....Two 1.1 USB ports with current  
limiting

The 5070 is available in OEM quantities or may be purchased as part of an OS development kit.

## Specifications

Power: .....5V, 1.5A maximum  
Temp. range: .....-40° to 85° C, operating  
-50° to 90° C, nonoperating  
Shock: .....40g, 11 mS, half sine, three axes  
Vibration: .....5g. random, 10–500 Hz  
Size: .....4.5" x 4.9"  
Warranty: .....3 years. Made in USA.

## Ordering Information

### 5070 SBC AND ACCESSORIES

Order #5865 .....5070, 32 MB SDRAM,  
manual & utilities on CD-ROM  
Order #6225 .....Retainer clips (5) for CompactFlash  
Order #6293 .....5070 cable kit

### 5070 OS EMBEDDER KITS

5070 support packages include hardware, OS software, cables, memory, and documentation.

Order #6242 .....5070 DOS OS Embedder  
Order #6180 .....5070 Linux OS Embedder  
Order #6179 .....5070 OS Embedder with QNX  
Momentics Eval  
Order #6166 .....5070/2050 Windows CE.NET  
OS Embedder

Flat panel options available. Please call for details.

### SOFTWARE COMPATIBILITY

The 5070 is supplied with DOS 7.1 in Flash.  
The 5070 is compatible with Win NT®, Win CE®,  
Linux, QNX® and other operating systems.