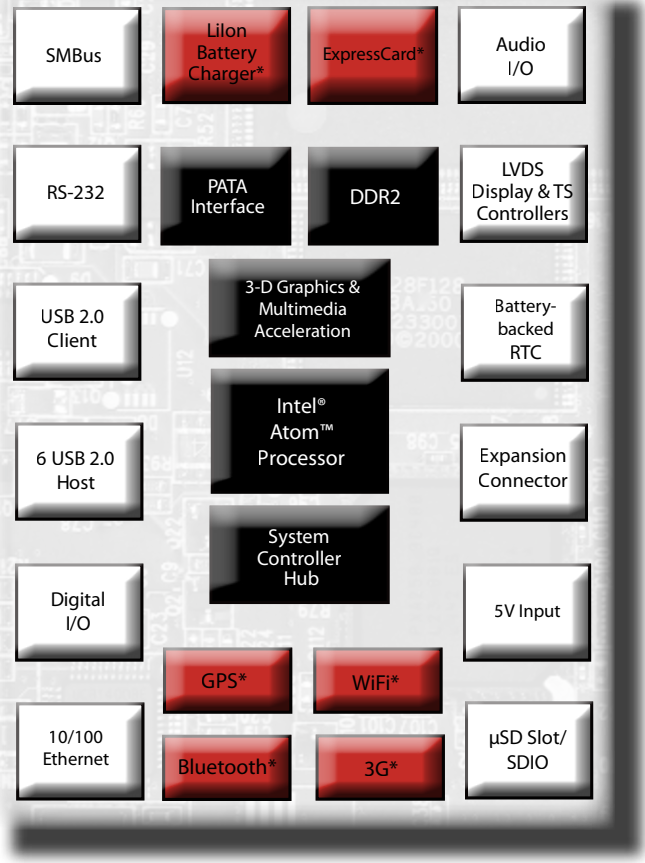
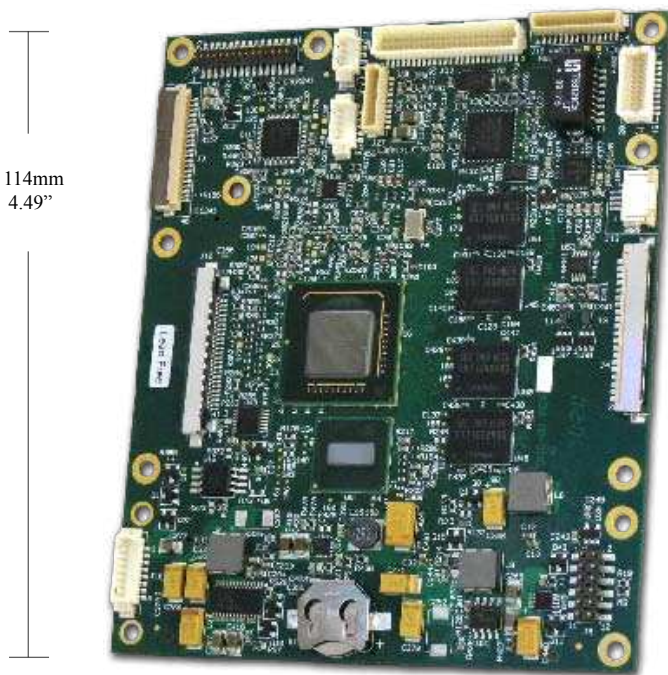


FireFly™: Evolving Mobile Device Platforms with the Intel® Atom™

At a fraction of the size of a typical PC motherboard, the InHand FireFly™ the smallest, most energy efficient, and highest performing, complete solution for OEM developers of ultra-mobile PCs, mobile Internet devices and other mobile battery-operated devices. Built around the Intel® Atom™ processor and System Controller Hub, FireFly can be used by itself or with an expansion board for application specific functionality. As a stand-alone board, FireFly offers a full range of peripherals including: 6 USB 2.0 Host ports, USB 2.0 Client port, video output, serial port, touch screen controller, and microSD slot. Battery charging and wide voltage power input are available as well. For expandability, FireFly has a daughter card connector with industry standard interfaces, such as PCI express, USB, SMBus and SDIO, making system integration easy.



*optional



Every InHand product is equipped with InHand's patented BatterySmart® technology. In addition to low-power design and component selection, BatterySmart extends the life of portable and mobile devices through intelligent use of the processor's Dynamic Voltage and Frequency Scaling (DVFS). All aspects of the FireFly's hardware and software work together to find the perfect balance between performance and battery life.

InHand's FireFly™ Specifications

CPU	Intel® Atom™ Z510 processor, 1.1GHz and Z530 processor, 1.6GHz
Chipset	Intel® US15W System Controller Hub
Memory	1GB DDR2 or 2GB DDR2 (Q3-'11)
Serial Ports	1 RS-232 on board
Hard Drive Interface	2 PATA interfaces (one ZIF connector on board, one supported via daughter card) SATA optional via daughter card or ExpressCard™
Digital I/O	16 general purpose I/O pins (8 interrupt capable)
USB	6 USB 2.0 Host ports and 1 USB 2.0 Client port via header
Wireless Peripherals	802.11 b/g WiFi, Bluetooth 2.0, 50 channel GPS and 3G (Q3 '11) modules option
Ethernet	10/100 802.3 Ethernet with RJ-45 connector
Expansion Slots	1 µSD slot on board; 1 µSD and 1 ExpressCard™ expansion slots via module
Daughter Card Expansion Interface	PCI-Express, 2 USB 2.0 Host ports, SMBus, PATA interfaces, system status lines, Intel SDVO port, LPC Bus and SDIO port
Audio	Stereo speaker and headphone outputs, 1 analog and 1 digital microphone input
Touch Screen	4-wire or 5-wire touch screen interface
Display Support	18 or 24 bit, LVDS LCD support up to UXGA (1600x1200) External display output support up to UXGA (1600x1200) on daughter card
Multi-Media	3-D graphics acceleration, H.264, MPEG4
RTC	Battery-backed real-time clock on board, with alarm wake-up functionality
Battery Support	Support for dual 14.4V, quad-cell LiIon/LiPolymer smart batteries with hot swapping support
Operating Systems	Windows® Embedded Standard 2009, Windows Embedded 7, Red Hat Enterprise, Linux 6 and Linux
Dimensions	95mm x 114mm
Thickness	20mm
Power Consumption	S3 (sleep)-approx. 500mW, S0 (running)-approx. 4.5W

Ordering Information

Part Number	Description
FLY1-9SBC-01-C1	FireFly Single Board Computer - 1.6GHz, 1GB DDR2
FLY1-9SBC-02-C1	FireFly Single Board Computer - 1.1GHz, 1GB DDR2
FLY1-DP-01-A1	FireFly Standard Development Platform

Call or email for pricing and availability. Refer to part numbers above.

Contact Information

sales@inhand.com
info@inhand.com

v: 240.558.2014

InHand Electronics, Inc.
30 W Gude Dr., Suite 550
Rockville, MD 20850

www.inhand.com

InHand Electronics, Inc. is a leading provider of low-power embedded systems to Original Equipment Manufacturers of battery-operated handheld and wireless devices, such as UMPCs, PDAs, wearable computers, industrial computers, and smart sensors. Every InHand system includes BatterySmart, InHand's patented run-time power management suite. The company's products are used in a variety of industries, including military, healthcare, entertainment, and instrumentation. InHand's FireFly, Apeiron, Fingertip and BatterySmart products are built on industry-leading technologies, such as Intel's Atom and Texas Instruments DaVinci and Sitara and Marvell PXA processors, and Linux, Android, and Microsoft's Windows CE, Mobile and Windows Embedded operating systems. InHand is an ITAR registered company and its products are made in the USA. The company's headquarters are located along the I-270 Technology Corridor in Rockville, Maryland. For more information, visit www.inhand.com.

