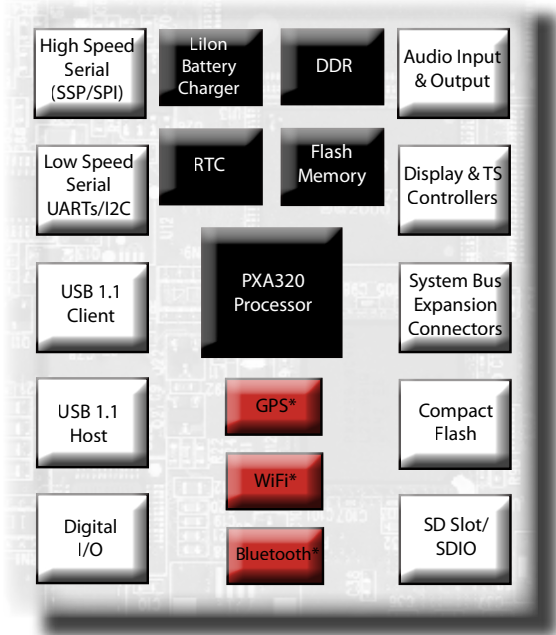
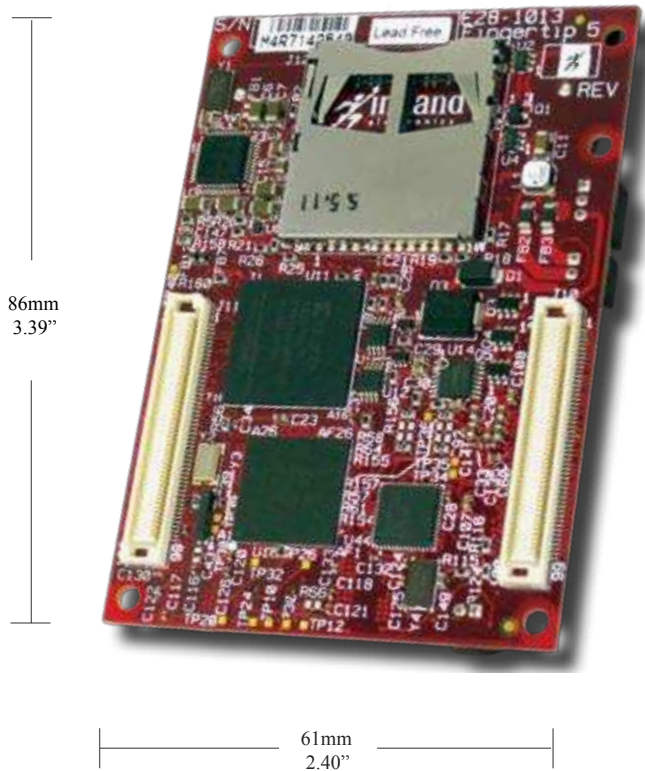


Fingertip5™: The Next Step in PXA-based Mobile Device Platforms

At the size of a credit card, the Fingertip line of products are the highest performance, lowest power consuming, complete solutions for handheld device development available today. Designed as a drop-in upgrade, the Fingertip5 maintains mechanical and electrical backwards compatibility with the Fingertip4, while preserving the majority of peripheral I/O. Fingertip5, created for OEM developers of portable and wireless devices in need of full-featured solutions and advanced power management, is based on Marvell's PXA320 processor. The Fingertip5's increased performance delivers over 800MHz of processing power while maintaining low battery consumption, under one watt. The Fingertip5 also adds DDR memory, NAND Flash and higher resolution graphics. Like the Fingertip4, DC input from 4-15V, primary LiIon battery charging and capacity management, and backup battery/supercap input, are all integrated on the Fingertip5.



BatterySmart®

Every Fingertip5 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 PXA320's Dynamic Voltage and Frequency Scaling (DVFS). All aspects of the Fingertip5 hardware and software work together to find the perfect balance between performance and battery life.

Suggested Applications

- Handheld/Mobile Devices
 - military
 - medical
 - security
- Portable Media Devices
 - H.264, MPEG4 Players
 - Personal PVRs
 - Video Conferencing
- Remote Sensor Networks
- Battery Backed devices

InHand Fingertip5™ Specifications

CPU	Marvell's PXA320 processor, up to 806MHz
Flash Memory	64-256MB NAND Flash; 64MB standard
DDR	64-256MB, with low-power self-refresh; 128MB standard
Plug-In Peripherals	1 Compact Flash slot, 1 SDIO slot
Off-Board Interfaces	200 pin daughter card interface, including complete system bus, multiple peripheral and I/O interfaces and power
Serial Ports	3 UARTs, configurable via daughter card for CMOS or RS-232
USB	1 Host v1.1, 1 Client v1.1 port
Wireless Peripherals	WiFi, Bluetooth, GPS (supported on daughter card)
Wired Peripherals	Ethernet, multiple SPI/SSP, I2C, GPIOs (supported on daughter card)
I/O Pins	20 general-purpose I/O pins, interrupt capable (multi-function)
Audio	20-bit stereo codec with direct connection to microphone and stereo headphone, AC97-compliant
Display Support	Up to SVGA (800x600) full-color, including touch screen and backlight
RTC	On-board real-time clock (back-up battery on daughter card)
Battery Support	LiIon (with re-charge and capacity measurement) or any battery that conforms to power requirements; separate back-up input
Value Added Software	BatterySmart®
Operating Systems	Windows CE
Dimensions	61mm by 86mm
Thickness	12mm
Weight	50g
Power Consumption	Under one watt
Line Input	4-15V

Ordering Information

Part Number	Description
IHE-FIN5-A00000-9DP-C4	Fingertip5 Standard Development Platform
INE-FIN5-A00000-9SBC-C4	Fingertip5 Standard Single Board Computer

Contact Information

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

InHand Electronics, Inc. is a leading provider of low-power embedded systems to Original Equipment Manufacturers. Every InHand system includes BatterySmart, InHand's patented run-time power management suite for battery-operated handheld and wireless devices, such as UMPCs, PDAs, wearable computers, industrial computers, and smart sensors. 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.

