



# TouchWorks™ Mobile Device Roadmap

January 2, 2007

## TouchWorks Certified Handheld Devices

PDA Model	Certified TW Version	Operating System	Battery Life	Battery Type	Wireless	Processor	Memory	Vendor's Published End of Life Date	Overview
<b>HP iPAQ rx5915</b>	TW v10.1.2 or Higher is required for Windows Mobile 5 support	Windows Mobile 5	~7.5 hours	Swappable	802.11 b/g WiFi	Samsung SC32442 400MHz	64MB SDRAM, 2.0GB Flash ROM	N/A	<ul style="list-style-type: none"> <li>• Device has very good voice recording and playback quality</li> <li>• Device has very good battery life</li> <li>• Device has integrated GPS functionality</li> </ul>
<b>Symbol MC70</b>	TW v10.1.2 or Higher is required for Windows Mobile 5 support	Windows Mobile 5	~10.5 hours	Swappable	802.11b WiFi	Intel® PXA270	64MB SDRAM, 128MB ROM	Dec. 2006 <i>(estimated)</i>	<ul style="list-style-type: none"> <li>• Converged Cell Phone/ PDA device</li> <li>• Excellent Battery life</li> <li>• Excellent voice recording and playback quality</li> <li>• Excellent performance</li> <li>• Device is large and heavy</li> <li>• Device is expensive</li> </ul>
<b>Sprint PPC-6700</b>	TW v10.1.2 or Higher is required for Windows Mobile 5 support	Windows Mobile 5	~ 3.5 hours with power save settings	Swappable	802.11b WiFi & EVDO	Intel® PXA270	64MB SDRAM, 128MB ROM	Dec. 2006 <i>(estimated)</i>	<ul style="list-style-type: none"> <li>• Converged Cell Phone/ PDA device.</li> <li>• Use of EVDO networking results in ~40% slower application performance than Allscripts' Expected Performance Baseline values depending upon EVDO network signal strength.</li> <li>• The Cell Phone and WiFi networking can not be used simultaneously. Turning on the WiFi will automatically turn off the cell phone. User will need to manually turn back on the Cell Phone when use of the WiFi network is finished.</li> <li>• The slide out keyboard on the device is not compatible with TouchWorks.</li> </ul>
<b>Verizon XV6700</b>	TW v10.1.2 or Higher is required for Windows Mobile 5 support	Windows Mobile 5	~ 3.5 hours with power save settings	Swappable	802.11b WiFi & EVDO	Intel® PXA270	64MB SDRAM, 128MB ROM	Dec. 2006 <i>(estimated)</i>	<ul style="list-style-type: none"> <li>• Converged Cell Phone/ PDA device.</li> <li>• Use of EVDO networking results in ~33% slower application performance than Allscripts' Expected Performance Baseline values depending upon EVDO network signal strength.</li> <li>• The Cell Phone and WiFi networking can not be used simultaneously. Turning on the WiFi will automatically turn off the cell phone. User will need to manually turn back on the Cell</li> </ul>

									<ul style="list-style-type: none"> <li>Phone when use of the WiFi network is finished.</li> <li>The slide out keyboard on the device is not compatible with TouchWorks.</li> </ul>
<b>HP iPAQ 2790</b>	TW v10.1.2 or Higher is required for Windows Mobile 5 support	Windows Mobile 5	~2 hours with power save settings	Swappable	WLAN 802.11b,	Intel® PXA270	128 MB SDRAM, 128 MB Flash ROM	Feb. 2007	<ul style="list-style-type: none"> <li>Device has marginal voice record and playback quality.</li> </ul>
<b>HP iPAQ 2490</b>	TW v10.1.2 or Higher is required for Windows Mobile 5 support	Windows Mobile 5	~2 hours with power save settings	Swappable	WLAN 802.11b,	Intel® PXA270	64 MB SDRAM, 128 MB Flash ROM	Feb. 2007	<ul style="list-style-type: none"> <li>Device has marginal voice record and playback quality.</li> </ul>
<b>HP iPAQ 4700</b>	TW v9.1 or Higher is required for PPC2003 Support	Pocket PC 2003 SE	~2 hours with power save settings	Swappable	WLAN 802.11b,	Intel® PXA270	64 MB SDRAM, 128 MB Flash ROM	Mar. 2006	<ul style="list-style-type: none"> <li>LEAP compatible</li> <li>Device has excellent screen quality.</li> <li>Device has good voice record and playback quality.</li> </ul>
<b>HP iPAQ 2750</b>	TW v9.1 or Higher is required for PPC2003 Support	Pocket PC 2003 SE	~2 hours with power save settings	Swappable	WLAN 802.11b,	Intel® PXA270	128 MB SDRAM, 128 MB Flash ROM	Apr. 2006	<ul style="list-style-type: none"> <li>LEAP compatible</li> <li>Device has marginal voice record and playback quality.</li> <li>Requires use of ROM update 1.10.09 or higher.</li> </ul>
<b>HP iPAQ 2450</b>	TW v9.1 or Higher is required for PPC2003 Support	Pocket PC 2003 SE	~2 hours with power save settings	Swappable	WLAN 802.11b,	Intel® PXA270	64 MB SDRAM, 128 MB Flash ROM	Apr. 2006	<ul style="list-style-type: none"> <li>LEAP compatible</li> <li>Device has marginal voice record and playback quality.</li> <li>Requires use of ROM update 1.10.09 or higher.</li> </ul>
<b>HP iPAQ 4350</b>	TW v9.1 or Higher is required for PPC2003 Support	Pocket PC 2003	~2 hours with power save settings	Swappable	WLAN 802.11b,	Intel® PXA255	64 MB SDRAM, 32 MB Flash ROM	Oct. 2004	<ul style="list-style-type: none"> <li>LEAP compatible</li> <li>Device is identical in functionality to the 4150 but has built in keypad. This keypad makes the device larger.</li> <li>Device has marginal voice record and playback quality.</li> </ul>
<b>HP iPAQ 4150</b>	TW v9.1 or Higher is required for PPC2003 Support	Pocket PC 2003	~2 hours with power save settings	Swappable	WLAN 802.11b,	Intel® PXA255	64 MB SDRAM, 32 MB Flash ROM	Oct. 2004	<ul style="list-style-type: none"> <li>LEAP compatible</li> <li>Small, thin, and light, yet very usable and fits comfortably in a user's hand.</li> <li>Device has marginal voice record and playback quality.</li> </ul>
<b>HP iPAQ 5550</b>	TW v9.1 or Higher is required for PPC2003 Support	Pocket PC 2003	~2 hours with power save settings	Swappable	WLAN 802.11b, Biometric Fingerprint Reader	Intel® 400 MHz Processor w XScale technology	128 MB SDRAM, 48 MB Flash ROM	July 2004	<ul style="list-style-type: none"> <li>Same size as iPAQ 5450</li> <li>Recordings on the device are very soft when played back, even with high volume. Playback volume levels on a PC are normal. The dev team is currently working with HP and Microsoft to resolve this issue.</li> </ul>
<b>HP iPAQ 2210</b>	TW v9.1 or Higher is required for PPC2003 Support	Pocket PC 2003	~2.5 hours with power save settings	Swappable	Requires a Compact Flash RF card to communicate with the TW web server.	Intel® 400 MHz processor w XScale technology	64 MB SDRAM, 32 MB Flash ROM	July 2004	<ul style="list-style-type: none"> <li>Smaller form factor, and does not support sleeves</li> <li>No record button, but other buttons can be mapped and used to record.</li> <li>Uses Flash Card technology, so currently deployed PC Cards cannot be re-used</li> <li><b>Incompatible with Cisco LEAP</b></li> </ul>
<b>HP iPAQ 5150</b>	TW v9.1 or Higher is required for PPC2003 Support	Pocket PC 2003	~6-7 hours with sleeve and power save	Swappable	Requires a sleeve and RF card to communicate	Intel® 400 MHz processor	64 MB SDRAM, 32 MB Flash	July 2004	<ul style="list-style-type: none"> <li>Recordings on the device are very soft when played back, even with high volume. Playback volume levels on a PC are normal. The dev team is currently working with HP and Microsoft to resolve this issue.</li> </ul>

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# TouchWorks Certified Tablet PCs

Tablet PC Model	Certified TW Version	Operating System	Battery Life	Tablet Design	Wireless	Processor	Memory	Vendor's Published End of Life Date	Overview
<b>HP TC4400</b>	TW 9.2 or Higher	Windows XP Tablet Edition	~5 Hours	Convertible	Intel PRO/Wireless 3945ABG 802.11 a/b/g WLAN	Intel® Duo - T2500 1.8 GHz	1.0 GB RAM	N/A	
<b>Motion Computing LE1600 T005</b>	TW 9.2 or Higher	Windows XP Tablet Edition	~3.5 Hours	Slate	Integrated Intel® PRO/Wireless 2200BG network connection	Intel® Pentium® M Processor LV 758 (1.5GHz)	512 MB RAM	N/A	
<b>Fujitsu Lifebook T4215</b>	TW 9.2 or Higher	Windows XP Tablet Edition	~3 Hours	Convertible	Integrated Atheros WiFi	Intel® Core™ 2 Duo Processor T5600 (1.83 GHz, 2 MB L2 cache, 667 MHz FSB)	2.0 GB RAM	N/A	<ul style="list-style-type: none"> <li>Device use with Dragon Naturally Speaking will require adding additional RAM. Recommended RAM needs for Dragon is 1.5GB of RAM.</li> </ul>
<b>Toshiba Portege M400d</b>	TW 9.2 or Higher	Windows XP Tablet Edition	~3.5 Hours	Convertible	Integrated Intel Centrino	Intel® Duo - T2500 2.0 GHz	2.0 GB RAM	N/A	<ul style="list-style-type: none"> <li>Device has excellent wireless monitoring and troubleshooting tools.</li> <li>Device has very good voice recording and playback quality.</li> </ul>
<b>Fujitsu Lifebook T4210D</b>	TW 9.2 or Higher	Windows XP Tablet Edition	~3 Hours	Convertible	Integrated Atheros WiFi	Intel® Duo - T2500 2.0 GHz	2.0 GB RAM	N/A	<ul style="list-style-type: none"> <li>Intellisonic array microphone utility conflicts with the use of Dragon Naturally Speaking. The Intellisonic software must be disabled prior to using Dragon with this device.</li> </ul>
<b>Fujitsu Lifebook T4020D</b>	TW 9.2 or Higher	Windows XP Tablet Edition	~3.5 Hours	Convertible	Integrated Atheros WiFi	Intel® 1.8 GHz Pentium M processor	256 MB RAM	N/A	<ul style="list-style-type: none"> <li>Device use with Dragon Naturally Speaking will require adding additional RAM. Recommended RAM needs for Dragon is 1.5GB of RAM.</li> </ul>
<b>Motion Computing M1300</b>	TW 9.2 or Higher	Windows XP Tablet Edition	~2.5 Hours	Slate	Integrated Intel Centrino	Intel® 1 GHz Pentium M processor	512 MB RAM	01/2004	<ul style="list-style-type: none"> <li>Device has marginal WiFi performance.</li> <li>Average voice record and playback performance.</li> </ul>
<b>HP TC4200</b>	TW 9.2 or Higher	Windows XP Tablet Edition	~2.5 Hours	Convertible	Integrated Intel Centrino	Intel® 1.8 GHz Pentium M processor	512 MB RAM	04/2006	
<b>HP TC1100</b>	TW 9.2 or Higher	Windows XP Tablet Edition	~3 Hours	Slate	Integrated Intel Centrino	Intel® 1 GHz Pentium M processor	512 MB RAM	N/A	

## Devices scheduled for testing

Device	Device Type	Estimated Schedule Date for testing

## Devices that failed certification testing

Device	Device Type	Reason for Failure
Samsung i730 w/Windows Mobile 5	PDA/Cell Phone	Poor WiFi performance
Samsung i730 w/Pocket PC 2003 SE	PDA/Cell Phone	Poor WiFi performance
Sony VAIO UX180P Micro PC	UMPC	Screen resolution below required specifications
Fujitsu Lifebook P1510D	Tablet PC	Screen resolution below required specifications
Cingular 8125	PDA/Cell Phone	Poor WiFi performance, Poor application performance, EVDO networking over VPN does not work
T-Mobile MDA	PDA/Cell Phone	Poor WiFi performance, Poor application performance, EVDO networking over VPN does not work
Dell Axim X50v	PDA	Poor WiFi performance, Poor Battery Life
HP iPAQ h6315	PDA/Cell Phone	Poor WiFi performance, Poor Voice Record and Playback
HP iPAQ h6915	PDA/Cell Phone	Screen resolution below required specifications
Palm Treo 700w	PDA/Cell Phone	Screen resolution below required specifications

### Allscripts Mobile Device Strategy

Allscripts is the leading provider of clinical information technology solutions for physicians extending beyond personal computers wirelessly into the hands of physicians on Windows Mobile enabled PDA's and converged PDA phone devices. Having introduced the first WiFi enabled ePrescribing solution, and widely deploying our award winning electronic health records solutions to thousands of physicians on mobile PC's and PDA's, Allscripts has more experience in deploying wireless mobile solutions in for physicians than any other healthcare IT vendor. With the emergence of new forms of wireless connectivity and new device options Allscripts continues to extend its lead in the promotion and adoption of these solutions.

### Current situation

The mobile device market in healthcare is in the process of making a significant transition from traditional PDA handhelds to converged wireless PDA phone combination devices such as those provided by Sprint, T-mobile, Verizon, and Cingular. The advantage of these devices is that in addition to extending the use of our solutions outside of the office with wide area connectivity, it also enables them to be used as a phone, greatly enhancing the overall utility of the devices. Some models are capable of leveraging both WiFi and any number of 3G wide area network connectivity options such as EVDO. These devices are optimal for physicians since they enable use of broadband wireless connectivity inside the office, with WiFi, and strong wide area connectivity outside the office via a variety of wide area network solutions.

## **Our approach**

Because making healthcare decisions requires a comprehensive view of information, the small size of PDA screens limits what they can be comfortably used for. Many of the newer general use devices such as the TREO have moved to using a square 240 X 240 screen size which limits even further how much information a physician can access on a single screen. While we believe these devices will continue to come into the market, our experience with the most common physicians workflows such as ePrescribing, charge capture and digital dictation, suggest that the larger screen size is preferred (240 X 320) and we will continue to recommend these devices for the time being. We will gradually move to support square screen size devices of 240 X 240 later in 2007 and beyond.

In the mean time we will begin recommending a number of combination Phone PDA devices that run on the Windows Mobile 5 platform for our customers that meet our high standards for performance and reliability. We also continue to test new form factor options now coming onto the market such as the Ultra Mobile PC and other intermediate sized Windows XP and Windows Mobile 5 devices.

### **TouchWorks Converged Cell Phone/PDA Device Strategy-**

We are currently in the process of testing and certifying devices that support 240 X 320 screen resolution that are offered by Sprint, Verizon, T-Mobile, and Cingular.

### **TouchWorks PDA Square Screen (240X240) Strategy-**

We are planning to begin supporting 240 X 240 screen resolution devices in 2007 if traction of these devices continues to increase.

### **TouchWorks Wireless Broadband (3G, EVDO, etc...) Support Strategy-**

TouchWorks can currently be used on these networks for remote access when traveling outside the office with somewhat slower connection speeds than WiFi. While slower connection speeds provided by 3G networks results in correspondingly slower application performance today, within months the speeds of these networks will be increasing to where it will be possible to operate the TouchWorks application in standard every day use without sacrificing application speed or performance.

## Device Testing Process

Allscripts' incorporates an exhaustive and rigorous analysis process in the testing of mobile devices. This testing covers all aspects of a mobile device as it relates to use with the TouchWorks application. The main areas that are tested are application performance, networking stability and performance, application regression testing, microphone and speaker quality testing, and battery life expectancy testing. Most of the time Allscripts also has a direct relationship with the manufacturer/vendor support channels of certified devices which enables us to expedite issue resolution for problems uncovered with these devices. Once a device meets these requirements and passes all tests, the device is added to the certified device list found in this document. Once a device is certified it is fully supported by TouchWorks and the support department is able to assist with working through any issues that may arise with the devices after they are implemented within a production environment. Allscripts tests a large number and variety of devices but it is not possible for Allscripts to test every mobile device on the market. The devices that are not tested by Allscripts may work with the TouchWorks application but unless they are tested and certified by Allscripts they fall outside of the bounds of your TouchWorks support agreement.