

# i-mate™ PDA2k



Microsoft Windows Mobile Pocket PC Phone Edition  
850 / 900 / 1800 / 1900 MHz  
GSM / GPRS  
128MB RAM  
64MB ROM  
Bluetooth Compatible  
SDIO/MMC Memory Expansion  
3.5", 64k Colour Transflective LCD  
Built in Camera  
Built in Wireless Lan  
Built in Keyboard  
Integrated Antenna

i-mate™ are one of the worlds leading specialists in collaborative design, development and supply of innovative, fully certified, wireless hand held devices and accessible services for the world mobile market. Our Microsoft Windows Mobile™ based products are second to none. Offering a refreshing alternative to the standard mobile phone, i-mate™ stands for sophistication and functionality, yet simplicity in use. With their unique blending of voice and data, they maximise the user's ability to display information, be organised and stay in-touch anywhere; and with excellent support services, via club i-mate™, available to all i-mate™ device users we offer our customers reliability, security of device and data, and an optional single framework for all lifestyle activities.



# i-mate™ PDA2k Specification



## Features

### Platform

- PDA form factor with integrated GSM/GPRS, Bluetooth, WiFi, VGA camera and QWERTY keyboard
- Microsoft Windows Mobile 2003 Pocket PC Phone Edition

### Dimensions

- Approx. 71.6(W) x 125(H) x 18.7(T) mm/ 2.82(W) x 4.92(H) x 0.74(T) inch

### Processor

- TI GSM/GPRS solution
- Low power, high performance 32-bit Intel PXA263 CPU, clock speed: 400 MHz

### Memory

- Flash ROM  
64 MB
- RAM  
128 MB

### LCD Module

- 3.5" 240X320 dots resolution
- 64K color TFT Transflective LCD
- LED back light
- Sensitive touch screen

### GSM/GPRS Functional Block

- GPRS/GSM (Quad-band) module :  
GSM850: 824-849, 869-894MHz  
GSM900: 880-915, 925-960MHz  
GSM1800: 1710-1785, 1805-1880MHz  
GSM1900: 1850 -1910, 1930-1990MHz
- Internal Antenna
- Generic GSM Service  
Call holding, waiting, forwarding  
CLI (Calling Line Identity)  
Display own number  
SMS (Short Message Service), support long message (640 characters)  
Network selection  
Cell broadcast  
Multi-party conference call w/Mute feature  
Phase 2 Unstructured supplementary service data  
– MO/MT  
AMR/EFR/FR/HR  
SIM Lock
- GPRS class B  
Multi-slot standard class 10  
MO/MT SMS over GPRS  
PBCCH
- Sim Function  
3V SIM operation  
SIM Application Toolkit  
Over the air programming

### Wireless LAN

- IEEE 802.11b compliant
- WLAN Antenna: internal
- 11, 5.5, 2 and 1 Mbps per channel, auto fallback for extended range

## Keyboard/Buttons/Switch

- Built-in 39 keys extractable QWERTY Keyboard
- 6 programmable AP buttons (1. Contacts 2. Calendar 3. Start 4. Inbox 5. Menu 6. Done/OK)
- POWER button
- Camera capture button
- Volume control button (up and down)
- Voice recorder button
- 5-way navigator
- Two phone buttons: SEND (Yes) & END (No) buttons
- Reset switch
- Key lock function supports by software

## Notification

- One Bi-color (Green and Red) LED for GSM network status, PDA notification, and PDA charging status
- Two respective (Blue and Green) LEDs for Bluetooth/ WiFi status
- Notification by sound, message, and vibration

## Audio

- Microphone
- Loud speaker for Hands-Free supported
- Receiver

## Camera

- Colors CMOS VGA camera with dust-proof cover

- Preview Mirror

## Interface

- Cradle connector
- SIM card slot
- MMC/SDIO card slot
- External antenna connector
- Audio jack (2.5 Ø) support MSFT pendant bus function

## Power

- Battery  
Removable rechargeable Lithium Polymer battery, 1,400mAh  
Talk Time: 3-4 hours  
PDA Time: 15 hours (approx.)  
Standby Time: 168 hours (approx.)  
Data Retention Time: 72 hours
- AC Adapter  
AC input: 100-240Vac, 50/60Hz

## Cradle

- 22 pin Cradle connector connected to main unit
- DC jack
- 2 slots to charge main unit and 2nd battery
- USB cable between cradle and PC
- LED indicator for second battery charger

## Device-to-Device Connectivity

- Infrared IrDA SIR
- Bluetooth  
Compliant with v1.1  
Class 2 transmit power

## Application Software

- MMS
- Photo contact/ caller ID
- Photo Album
- Camera capture utility
- Camcorder: H.263, MPEG4
- 40 chords polyphonic ring tones
- Support Standard MIDI format 0 and 1 (SMF)/ SP MIDI
- Audio format: WMA/AMR /AAC/MP3 stereo
- SIM Manager
- xBackup
- Wireless Modem
- Wireless Manager
- KSE Truefax
- Java VM

## Accessories

- Standard  
AC adapter  
Stylus  
Stereo Wired headset  
Carrying case  
USB Cradle
- Option  
USB Sync. Cable  
Car adapter  
Mono Wired headset

## Stylus

- Lock type mechanism

