

## CONVERGENT LINUX PLATFORM

### OPERATING SYSTEM

#### Linux 2.6 Kernel

- Intel derived
- Utilities
- Libraries
- Drivers
- Other run-time components
- High Resolution POSIX Timers
- O(1) Real-time Scheduler

#### Kernel Device Support

- Storage (IDE, Flash)
- Display (serial console, framebuffer, touch screen, LCD)
- Multimedia (audio chipsets)
- Basic I/O (serial, IrDA, SDIO, USB)
- Ethernet (10/100, 802.11b)

#### a la Mobile Hardware Mobility Engine

- Marvell PXA3XX
- TI OMAP 5912
- Others

### TELEPHONY & NETWORK

#### Basic GSM Integration

- GSM services using HR, FR, EFR and AMR speech codecs
- Transparent and non transparent data services include CSD, ECSD and HSCSD

#### IP Networking Support

- IPv4 protocol standards
- TCP/IP (IPv4/v6)
- Routing (Zebra)
- Boot/Resolution
- Wireless networking

#### Redbend vCurrent Mobile

- Firmware over the air update.

### APPLICATIONS & FRAMEWORKS

#### App Suite

- Application Manager
- Telephone Dialer
- PIM
- E-mail
- Media Display & Manage
- Audio Player
- Games
- Setup Utilities

#### UI Framework

- User Interface Look & Feel Customization
- Touch Screen UI
- Button UI

### APPLICATION PLATFORMS

#### Mobile Browser

- HTML 4.01
- CSS 2.1
- Javascript 1.5
- DOM2
- XHTML 1.1 & XHTML Mobile Profile
- OMA 2.3 Browsing: WML 1.3, WAP CSS 1.1, EcmaScript MP, WMLScript, Public WTA, Push WAP 1.x & 2.0
- Offline Browsing, History & Bookmarks
- Smart Interaction: text or screen screen rendering, text only, zoom
- Navigation: Thumbnail, Hot Spot, SnapToText
- Combined Navigation & Interaction modes

#### Sun Microsystems

##### Java Wireless Client

- CLDC 1.1
- MIDP 2.0
- JTWI 1.0
- WMA 2.0
- MMAPI 1.1
- PDA Optional Packages
- Bluetooth API
- Web Services API
- Mobile 3D graphics API
- Security and Trust Services API
- Location API
- Content Handler API

#### Adobe/Macromedia Flash Lite 2

- Vector Graphics Based Animation
- Sound
- Video
- 2D Graphics
- Synchronization

#### VoIP

- SIP stack and User Agent
- Call Manager
- Media Framework
  - Codecs
  - Packet Loss Concealment
  - Telephony (DTMF, CPT)
- Acoustic Echo Cancellor