

SophiaConf & 2011 Du 4 au 7 juillet

Open Data Frameworks Scrum Agilité
EXI IGLOO Community Android Informatique
Honeycomb3.0 Mobile Platform Open Source
Open Géo Data Tablettes Applications



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## MOBILE IS THE CONVERGENCE POINT

Smartphone growing at an average range of 20% per

year

Growing interest in Tablets after the launch of Apple
iPad

Over 3 billion iPhone applications downloaded

GPS penetration doubled in past 2 years



#### CONSUMER ELECTRONICS IS A STRONG GROWTH DRIVER



## HIGHEST-PERFORMANCE APPLICATION PROCESSORS





For powerful and cool devices

#### NOVA™ A9500

- 1.2Ghz dual-core application processor
- Powerful graphics engine
- 1080p camcorder
- Up to 20 megapixel camera

Industry leading performance and power





## **DEVELOPERS IGLOO**



#### **Open Source community**

Based on Open Source Mainstreams and distribution channels - Linux, Linaro, Android, Ubuntu, MeeGo

#### **Catalyst for innovation**

Customers and partners in various domain as; hardware and software services, tools, applications, research and so on

#### Easy access

Interactive web portal, affordable developer kits

#### ST-ERICSSON IS AN IGLOO PARTNER



## **DEVELOPERS IGLOO**







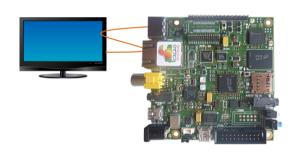
## **SNOWBALL**



## Accelerating your innovation to a Market ready Solution

SW Development Kit

#### **Product Development Kit**





- Software development
- Technology access
- Product Prototyping

- Professional quality level
- Application kits (Tablet, modem..)
- Product
- Distribution channel
- Production



## **SNOWBALL**



#### **Full Connectivity**

GPS, Bluetooth, WiFi, USB, HDMI HSI modem i/f

#### **MFMS**

Barometers
Magnetometer,
accelerometer, 3D
gyroscope

Battery operated USB powered USB charging Backup battery

Date: 2011-03-31

#### Multimedia

3D Graphics, HD video, audio

#### **Processors**

Dual A9 2x1GHz DDR2 1GByte Low power consumption

#### **Professional quality level**

Embedded eMMC.
Display, Imaging and System
Extension
JTAG, MIPI debug
Small size 85x85
Platform testing tools



## **SNOWBALL**



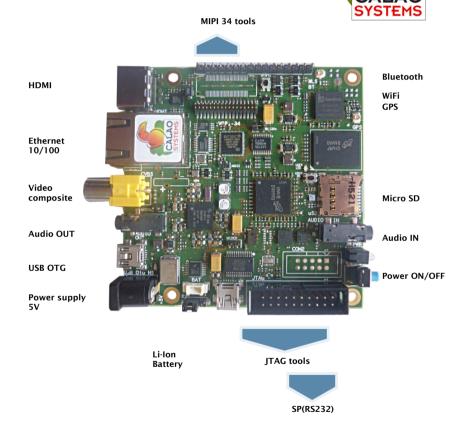
Differentiating FEATURES	SNOWBALL-SDK	Competition A	Competition B
CPU/DDR2	Dual A9, 2x1GHz/8Gb	Dual A9, 2x1GHz/8Gb	Dual A9,2x1GHz/8Gb
On board eMMC	4GB	NO	0.5GB
Extension connectors	YES	NO	Yes
MEM Sensors	<ul><li>Barometer</li><li>Magnetometer</li><li>Accelerometer</li><li>3D gyroscope</li></ul>	NO	NO
Connectivity	WiFi, BT	WiFi, BT	WiFi, BT
GPS	YES	NO	NO
USB operated	Yes if battery operated	NO	NO
Battery operated	YES	NO	NO
Professional tools	JTAG and MIPI DEBUG	Only JTAG	Only JTAG
Usable in Product	YES	NO	NO
Small size	YES (85×85)	NO (110x114)	NO (>150x200)
Target Price	\$200	\$174	\$399



## **SNOWBALL SDK**

SNOWBALL

- SNOWBALL SDK is the Software Development Kit
- The SDK is a full featured SNOWBALL
- SNOWBALL SDK is available at a target price of only \$200, thanks to the sponsored components from partners
- SNOWBALL SDK is designed for prototyping and SW development, not for end products

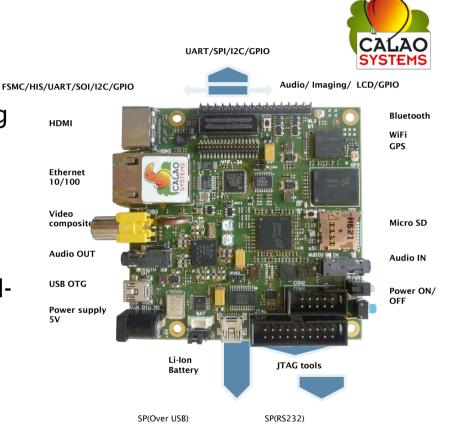




## **SNOWBALL PDK**



- SNOWBALL PDK is the Product Development Kit
- Professional quality design including ESD protection, EMI filter, on-board eMMC, professional extension connectors and small size
- Using the PDK as a module allows users to prototype and develop endproducts
- For your own dedicated design, our components may be found in distribution channels





## SNOWBALL PDK's ADD-ON BOARDS



A Tablet kit Snowball based with Touch Screen Display

add-on boards is in development for this

 10.1 inch using capacitive multi-touch technology

Modem board using ST-Ericsson's
 leading thin mobile broadband modems



- "Smart home" boards including ST-Ericsson's 2G modems
- Your boards!



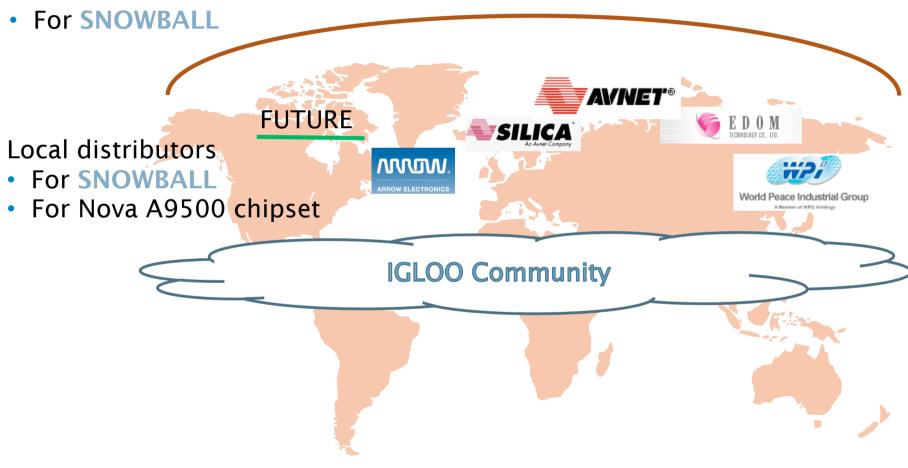
#### UNLEASH YOUR CREATIVITY THANKS TO EXTENSIVE EXTENSIONS



## **SNOWBALL DISTRIBUTION**



### Worldwide distributor





## THE SNOWBALL EFFECT

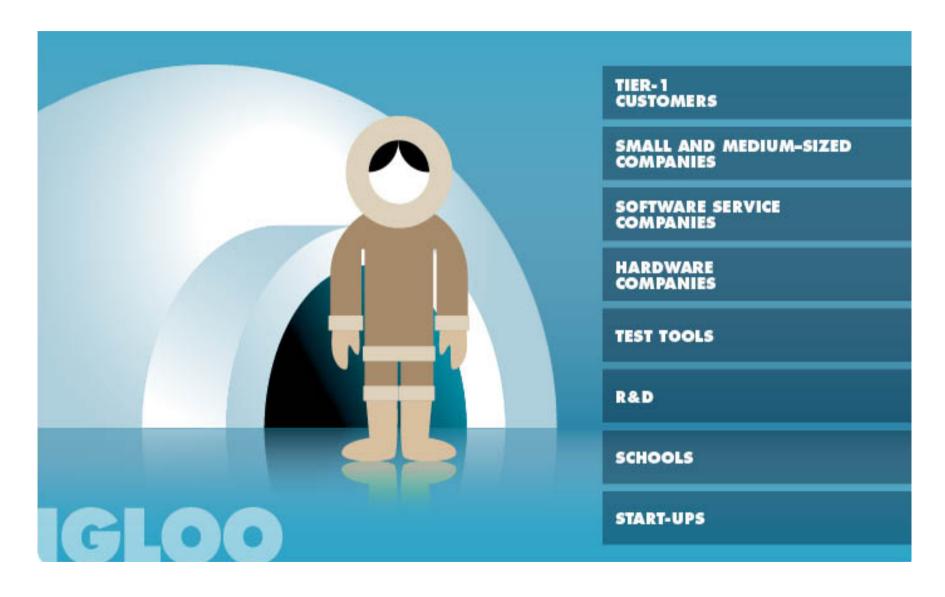


- Create and increase engineers relationship
- Create business relationship between ecosystem partner teams
- Drive Innovative open source projects that matter to partners

**EFFECT** 



## **IGLOO DEVELOPERS**





#### **DISTRIBUTORS**





SMALL AND MEDIUM-SIZED







#### **PARTNERS** PROFESSIONAL SERVICES



- **Blog**
- **Forum**
- **Documentation**
- Link to relevant web site partners for SW and HW
- Customization and development
- **Application integration**
- **Support services**
- **Design or CAD transfer**



## IGLOO HARDWARE PARTNERS



## **Embedded and Network Computing Technologies** Calgo Systems Offers Low Cost Embedded Systems Design with Fast Turn-Around Time, Quality & Support Accelerate your design with our ready to use embedded modules! Evaluation **ARM** Minimize your costs with a Select your computer custom design Wi (Ei) CALAO SYSTEMS SYSTEMS SYSTEMS Start marketing from Select your expansion board our products **Bluetooth** Download datasheets Start application development Download tools, sources & binaries www.calao-systems.com



## IGLOO SOFTWARE PARTNERS



#### Movial Designs, Develops and Delivers

Movial Corporation Porkkalankatu 20 FI-00180 Helsinki

www.movial.com







#### **Precision Engineering Support for IGLOO**

#### **Support Services**

- Consulting Services
- Android Services
- MeeGo Services
- Ubuntu Services
- Qt Services
- Training & Support

#### **UX Design Services**

- User Experience Design
- Performance optimization
- Interaction Design
- Research and Testing
- Audiovisual Design

#### Application Integration

- Internet browsing
- Media player
- Flash 10 Services
- AIR 2.5 Services

**MOVIAL** 

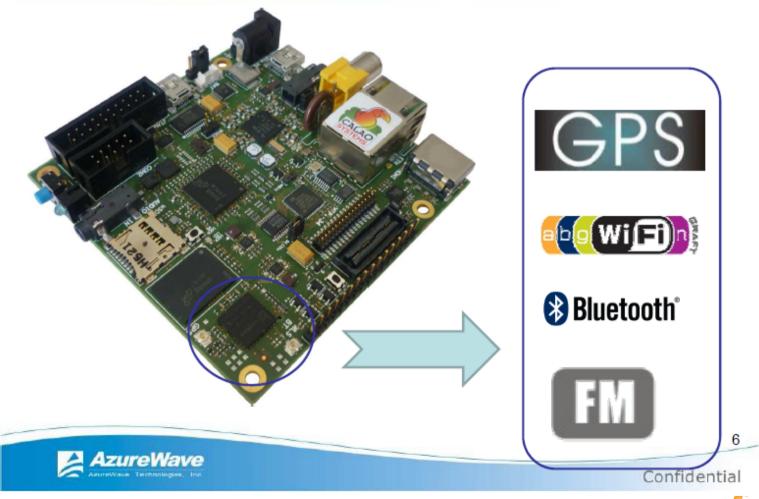
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## IGLOO CONNECTIVITY PARTNERS



## **AW-NH58x in SNOWBALL**





- WWW.IGLOOcommunity.org
- Your dedicated Web site to interact within the community
- A place for the Technical community to support your project
  - Blog
  - Forum
  - Documentation
  - Link to relevant web site partners for SW and HW
- A place for Innovation
- A place to promote your innovation and take benefit of your added value into the community

#### CREATE AND PROMOTE YOUR INNOVATION





ubuntu®



**Android Specific** 

Kernel and BSP SW tools Ubuntu specific

WWW.IGLOOcommunity.org



Wiki, Forum, IRC

SNOWBALL projects

SKY-S9500-ULP-Cx1

Distributors



ST ERICSSON Website

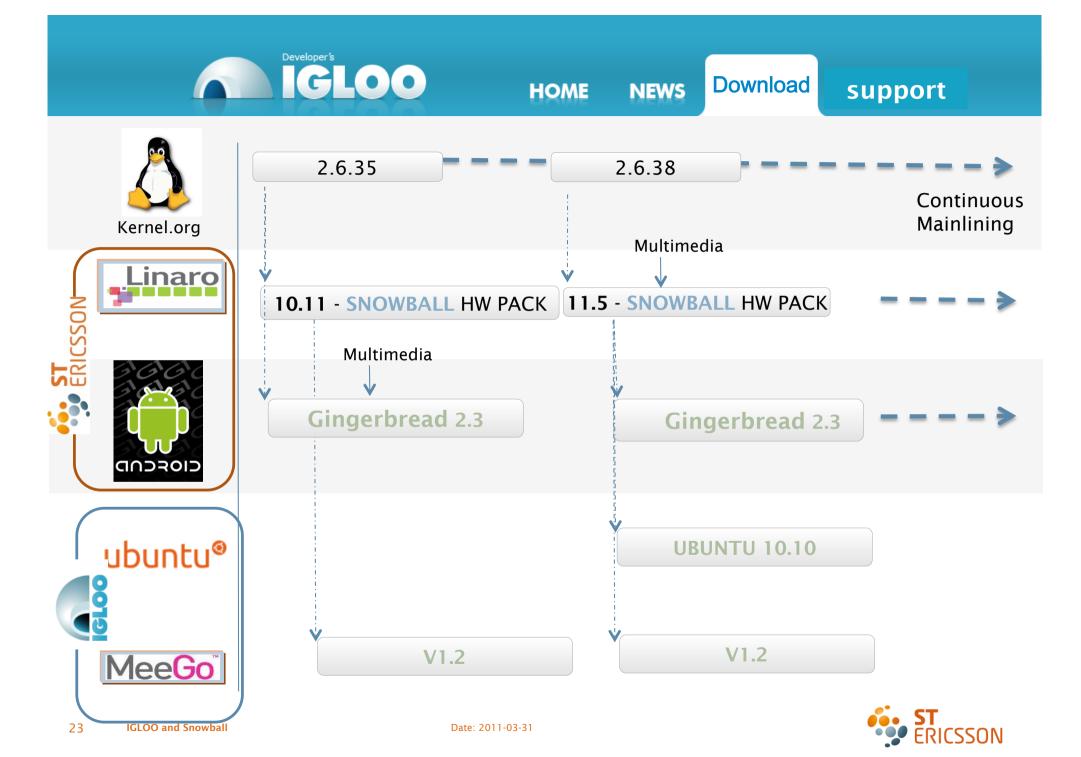
Nova A9500 Chipset documentation Optimized IP Advanced functionality

IGLOO Partners
Your Contribution



SNOWBALL Board HW documentation





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  - The Licensee is entitled to flash the Software on a commercial product

THE LICENSEE IS ENTITLED TO FLASH ON A COMMERCIAL SNOWBALL PDK BASED PRODUCT

Any use of the Software is solely and exclusively used on the Snowball

HOME





- The first ST-Ericsson Nova A9500 dual-core application processor developer board
- Very rich feature set in an amazingly small size: GPS, MEMS (gyroscope, Magnetometer, accelerometer, barometer). Battery operated mobile product



- Experience a full product development cycle :
  - from software development to embedded product application with the most complete, feature-rich, inexpensive developer board accelerating system and software innovation
- Valorize your innovation on the IGLOO community:
  - Igloo a powerful open source community for mobile innovation to facilitate and support collaboration and sharing

SNOWBALL- a catalyst for cutting-edge mobile innovation



## ST-ERICSSON as IGLOO partner

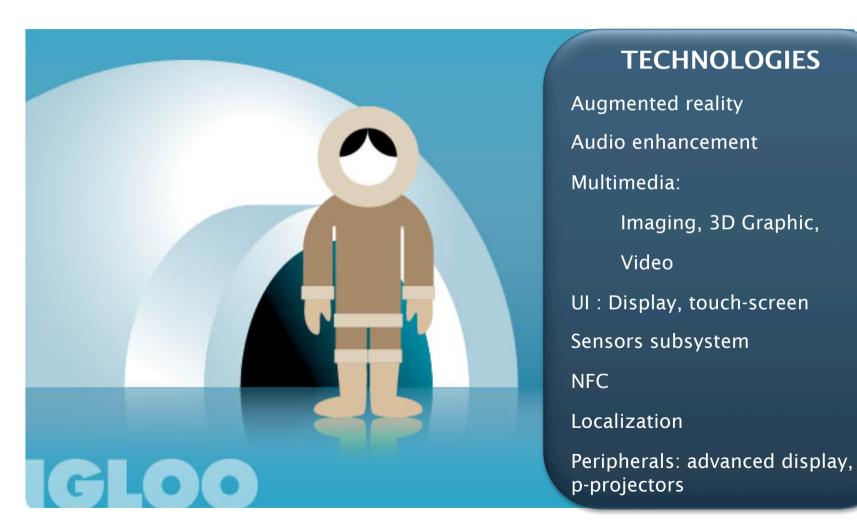






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www.igloocommunity.org





