

## Exhibit 48

[Home](#) > [Mobile Devices](#) > [Smartphones](#) > [Android OS](#) >

## Galaxy Ace

GT-S5830 ★★★★★ 165 REVIEWS

+1 32 Tweet 8

Print-friendly


[WHERE TO BUY](#)
[OVERVIEW](#)
[FEATURES](#)
[TECH SPECS](#)
[GALLERY](#)
[REVIEWS](#)
[SUPPORT](#)

## Show your stylish edge with this Galaxy smartphone

- Chic minimal design features large 3.5" HVGA screen
- Discover the Android Market with 400000 apps
- Hear the latest news with Samsung's Social Hub
- 800MHz processor deliver the blazing performance

[WHERE TO BUY](#)
[MICROSITE](#)

[Email a Friend](#) | [Print-friendly](#)

### Product Features [See All](#)



#### Minimal Yet Sophisticated Design

GALAXY Ace takes a minimal approach in its design, resulting in a sophisticated mobile that will allure. The smooth rounded edges and slim, compact size are a pleasure to wrap your fingers around, just as the large 3.5" HVGA screen is a delight to watch.

#### A Market with Limitless Fun

With approximately 100000 apps available on the Android Market, there's no end to what your mobile can do. Enjoy countless games, utilities, news, health and finance applications with more being added each day. The scope of what GALAXY Ace can do is virtually unlimited!



### Specifications [See All](#)

#### Platform

- 3G Band: 900 / 2100MHz
- HSDPA 7.2Mbps 3G network & data
- Android 2.2 OS

#### Physical Specification

- 112.4 x 59.9 x 11.5mm handset size
- 113g - handset weight

#### Battery

- 1350mAh standard battery capacity
- Up to 660min (2G) up to 390min (3G) standard talk time
- Up to 640hrs (2G), up to 420hrs (3G)

#### Design

- Full-touch Bar device

#### Display

- TFT display
- HVGA (480 x 320) display resolution
- 3.5 inch Main display size

#### Camera

- 5MP Camera Resolution
- Up to 2x Digital zoom
- Flash (LED)
- Auto focus

### Expert Reviews [See All](#)

### Samsung Galaxy Ace S5830 preview: First look

Well, you've met the family, now here is one of the new kids on the block. Midrange Froyo deserts for all it is, and the Samsung Galaxy Ace leads the gang. In an attempt to bring smartphone sales even higher, Samsung is ...

[Read More](#)



### Samsung Galaxy Ace review

Samsung's made the right sacrifices to keep the cost of the Galaxy Ace down. It has a relatively low-res screen and lacks the power to play Flash video, but this Android phone is packed with fun features and looks much more expensive than it is.

[Read More](#)



alaTest has collected and analysed 1656 reviews of Samsung S5830 Galaxy ACE from international magazines and websites.

1664 reviews  
June, 2012

## Consumer Ratings & Reviews [See All](#)

Overall ★★★★★

Features ★★★★★

Performance ★★★★★

Design ★★★★★

Value ★★★★★

“ ”

★★★★★

That Phone internet is good and unlimited

[Read More](#)

Amir on 2012-06-15

“Amazing”

★★★★★

This is the first Android phone I have had and it is so good. It is easy to use and carry around. It has great apps and I am so glad I bought this phone. It is worth the price and it is a great phone....

[Read More](#)

SansungLover on 2012-05-27

“Easy to use.”

★★★★★

As a techno phobic I found this phone so easy to use. Never had an android alway really basic phones. So for a first time user for facebook, emails and apps i would recommend this phone. i'am so please...

[Read More](#)

PTM1967 on 2012-05-12

Like it? A lot? A little? Tell us.

If you own one of these we'd like to hear what you think of it.

[SUBMIT A REVIEW ▶](#)

## Buy Samsung products online now at:



IN STOCK

[VISIT STORE](#)



IN STOCK

[VISIT STORE](#)



IN STOCK

[VISIT STORE](#)

## Similar Products [See All](#)

☐ Check to Compare

☐ Check to Compare

☐ Check to Compare

☐ Check to Compare



Galaxy Y Pro

★★★★★ (3)

[WHERE TO BUY ▶](#)



Galaxy Pro

★★★★★ (12)

[WHERE TO BUY ▶](#)



Galaxy Europa

★★★★★ (89)

[WHERE TO BUY ▶](#)



Galaxy Portal

★★★★★ (12)

[WHERE TO BUY ▶](#)

## Ask & Answer [See All](#)

411 Questions | 125 Answers

**Q** Is the screen on this phone glass or plastic?

djeu on 2011-03-06

**A** glass :-)  
[Read More](#)

lfaz59 on 2011-05-08

**Q** why does the battery drain so fast?

lumby on 2011-10-11

**A** Unfortunately the battery on a smartphone does not last as long as older phones. However there are applications availabl...  
[Read More](#)

scotland the brave on 2012-02-25

[Read more about Policies and Guideline](#)

[ASK A QUESTION](#)

## Samsung Presents: Samsung Galaxy S & Galaxy Tab

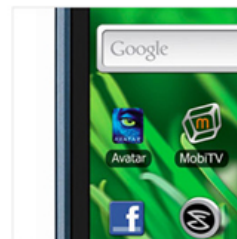


The world is buzzing about the Galaxy family. It's all here: performance, apps and more.

[Get the scoop on the features.](#)

## What Makes Smart Phones Smart

[Put your phone to work for you.](#)



## Google Android OS Explained

A New OS shouldn't leave you in the dark.

[Discover what it can do.](#)

## You May Also Like



Genio II

★★★★★ (6)



Tocco Icon

★★★★★ (32)



Galaxy S II

★★★★★ (699)



Galaxy Gio

★★★★★ (4)

[WHERE TO BUY](#) ▶[WHERE TO BUY](#) ▶[WHERE TO BUY](#) ▶[WHERE TO BUY](#) ▶

## Who We Are

[About Samsung](#)  
[Careers](#)  
[Sustainability](#)  
[News](#)  
[Affiliated Companies](#)  
[Investor Relations](#)

## What We Make

### Mobile Devices

[Mobile Phones](#)  
[Smartphones](#)  
[Galaxy Note](#)  
[Tablets](#)

### Print Solutions

[Colour Printers](#)  
[Mono Printers](#)  
[Faxes](#)  
[Colour Multi-function Printers](#)  
[Mono Multi-function Printers](#)  
[Supplies & Options](#)

### TV / Audio / Video

[Televisions](#)  
[Home Entertainment](#)  
[Blu-ray Players](#)  
[DVD](#)  
[Set-Top Box](#)  
[MP3 Digital Audio](#)

### Home Appliances

[Refrigeration](#)  
[Laundry](#)  
[Vacuum Cleaners](#)  
[Microwaves](#)  
[Ovens](#)  
[Cooker Hobs](#)  
[Cooker Hoods](#)  
[Air Conditioning](#)

### Camera / Camcorder

[NX System](#)  
[Compact Cameras](#)  
[Camcorders](#)

### Memory / Storage

[SSD](#)  
[Memory Cards](#)  
[HDD](#)  
[ODD](#)

### Notebooks / Display

[Notebook Computers](#)  
[Chrome Devices](#)  
[Monitors](#)  
[Professional LFD Displays](#)

### Accessories

[Mobile Phone Accessories](#)  
[Tablet Accessories](#)  
[TV / AV Accessories](#)  
[NX Accessories](#)  
[NX Lenses](#)  
[Compact Accessories](#)  
[PC Accessories](#)

## How can we help you?

[Find product support](#)  
[Get downloads](#)  
[How-to Guides](#)  
[Articles](#)  
[Contact us](#)  
[Accessibility Help](#)

[UK / English](#) ▶[View low bandwidth version](#) ↗[FEEDBACK](#) ▶