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## Wireless

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### HSPA+ Information

4G speeds delivered by HSPA+ (with enhanced backhaul). Not available everywhere with deployment ongoing. Compatible device and data plan required.

AT&T recently upgraded the software of its nationwide mobile broadband network to HSPA+. HSPA stands for "High Speed Packet Access." HSPA+ provides extended and improved network speeds. When HSPA+ is combined with enhanced backhaul, AT&T's already fast mobile broadband network delivers even faster 4G speeds.

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# EXHIBIT F

## iPhone® 4S



## iPhone® 4



## iPhone® 3GS



<b>Capacity</b>	16GB   32GB   64GB	8GB	8GB
<b>Network</b>	World phone Operates on AT&T's 4G Network UMTS/HSDPA/HSUPA Wi-Fi: 802.11b/g/n Bluetooth: 4.0	---- ---- UMTS/HSDPA/HSUPA Wi-Fi: 802.11b/g/n Bluetooth: 2.1+ EDR	---- ---- UMTS/HSDPA Wi-Fi: 802.11b/g Bluetooth: 2.1+ EDR
<b>Apple Chip</b>	Dual-core A5	A4	----
<b>Display</b>	High-resolution Retina display 960-by-640 resolution 326 ppi	High-resolution Retina display 960-by-640 resolution 326 ppi	480-by-320 resolution 163 ppi
<b>Video calling</b>	 FaceTime (over Wi-Fi to other FaceTime capable devices)	 FaceTime (over Wi-Fi to other FaceTime capable devices)	----
<b>Camera</b>	 8 megapixels LED flash Autofocus Tap to focus Backside illumination sensor Five-element lens Face detection   Front camera with VGA resolution	 5 megapixels LED flash Autofocus Tap to focus Backside illumination sensor Four-element lens   Front camera with VGA resolution	 3 megapixels Autofocus Tap to focus
<b>Video recording</b>	 1080p 30fps HD video recording Tap to focus while recording LED light Video stabilization	 720p 30fps HD video recording Tap to focus while recording LED light	 VGA video recording
<b>Built-in Assistant</b>	Siri Use your voice to send messages, set reminders, and more	----	----
<b>Colors</b>			
<b>Battery Life<sup>2</sup></b>	Talk time: up to 8 hours on 3G; up to 14 hours on 2G Standby time: Up to 200 hours Internet use: Up to 6 hours on 3G Up to 9 hours on Wi-Fi Audio playback: Up to 40 hours Video playback: Up to 10 hours	Talk time: up to 7 hours on 3G; up to 14 hours on 2G Standby time: Up to 300 hours Internet use: Up to 6 hours on 3G Up to 10 hours on Wi-Fi Audio playback: Up to 40 hours Video playback: Up to 10 hours	Talk time: Up to 5 hours on 3G; up to 12 hours on 2G Standby time: Up to 300 hours Internet use: Up to 5 hours on 3G Up to 9 hours on Wi-Fi Audio playback: Up to 30 hours Video playback: Up to 10 hours

Rethink Possible 

<sup>1</sup>Multitasking is not available with all apps. <sup>2</sup>Rechargeable batteries have a limited number of charge cycles and may eventually need to be replaced. Battery life and number of charge cycles vary by use and settings. See [www.apple.com/batteries](http://www.apple.com/batteries) for more information. TM and © 2011 Apple Inc. All rights reserved. \*All plans require a two-year contract and an activation fee and are subject to AT&T credit approval. The purchase of an iPhone does not guarantee service. iPhone voice and data plans are required for use of iPhone. Other terms and conditions apply. See rate plan brochure for details. 4G speeds delivered by HSPA+ with enhanced backhaul. Not available everywhere. Deployment ongoing. Compatible device and data plan required. Learn more at [att.com/network](http://att.com/network). © 2011 AT&T Intellectual Property. All rights reserved. AT&T and the AT&T logo are trademarks of AT&T Intellectual Property.



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Wireless

# Apple iPhone 4S - 16 GB - Black Details

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DETAILS SPECIFICATION ACCESSORIES CONTRACT INFO



### Battery

Talk time	Up to 8 hours on 3G, up to 14 hours on 2G
Standby time	Up to 200 hours

### Dimensions

Weight	4.9 ounces
Size (inches)	4.5 x 2.31 x 0.37 inches

### Memory

Internal memory storage	16 GB
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### Wireless Technology

GSM/GPRS	850/900/1800/1900 MHz
3G - UMTS/HSDPA/HSUPA	850/900/1900/2100 MHz
BLUETOOTH® technology	4.0
Wi-Fi Connectivity	802.11b/g/n Wi-Fi (802.11n 2.4GHz only)
4G*	HSPA+ with enhanced backhaul

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Apple iPhone 4S-32GB

\$199.99

\$0.00

Shipping\* \$199.99

Add to Cart

Limit 5 iPhone devices per customer with qualifying monthly service. Limit 5 iPhone devices per customer when ordering online. Early termination fees apply.

AT&T Customers

Upgrade Add A Line

Apple iPhone 4S - 16 GB - White

Included in package

### Your choice of individual plan

Choose the plan that works best for you. If you want to share minutes with more than one phone, view FamilyTalk plan options.

Nation Unlimited

\$69.99/month

Nation 900 w/Rollover Minutes

### More about the device

Details

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