

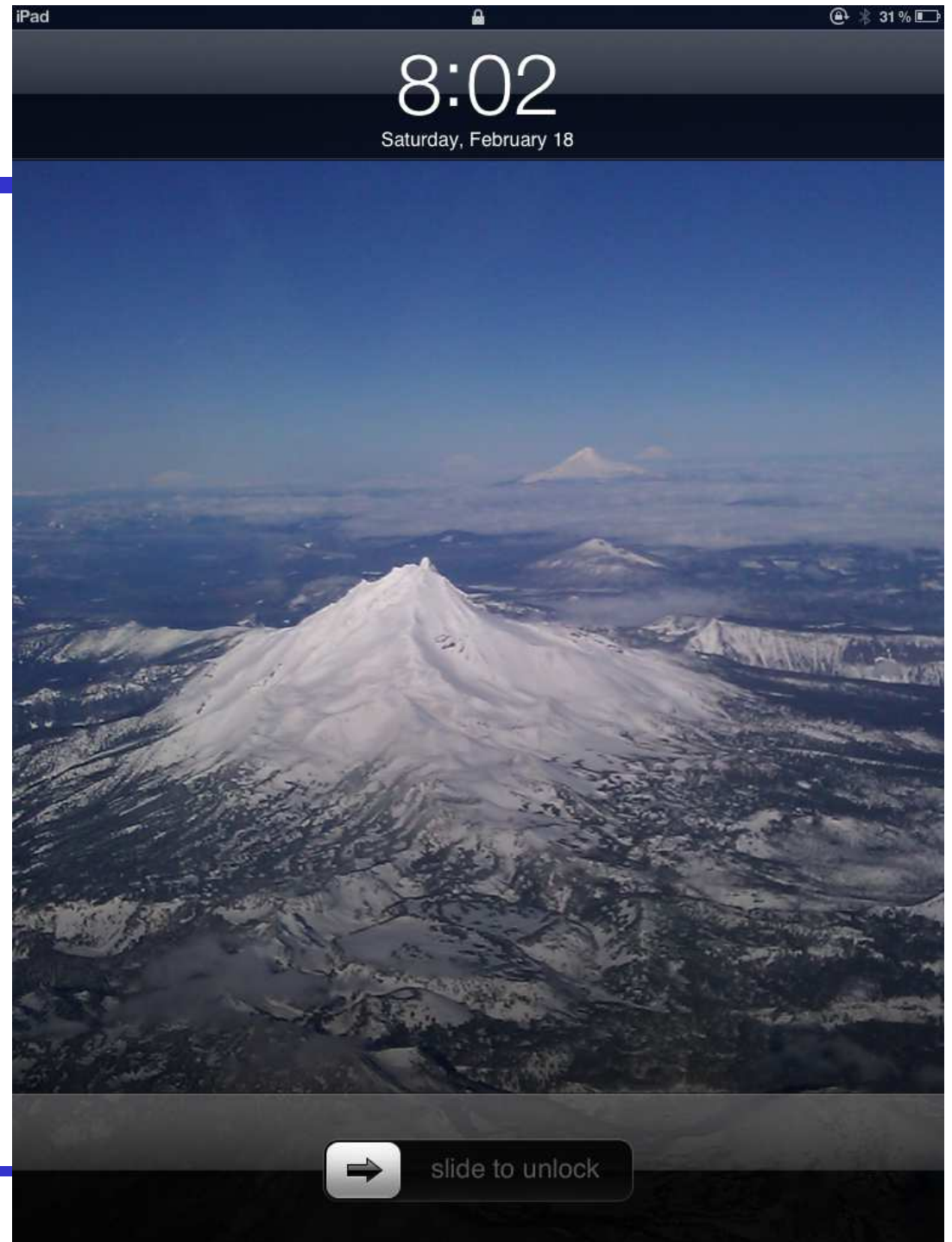


iPad for the Pilot

Howard Wolvington

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FAA Safety Team
Representative





This Presentation On The Web

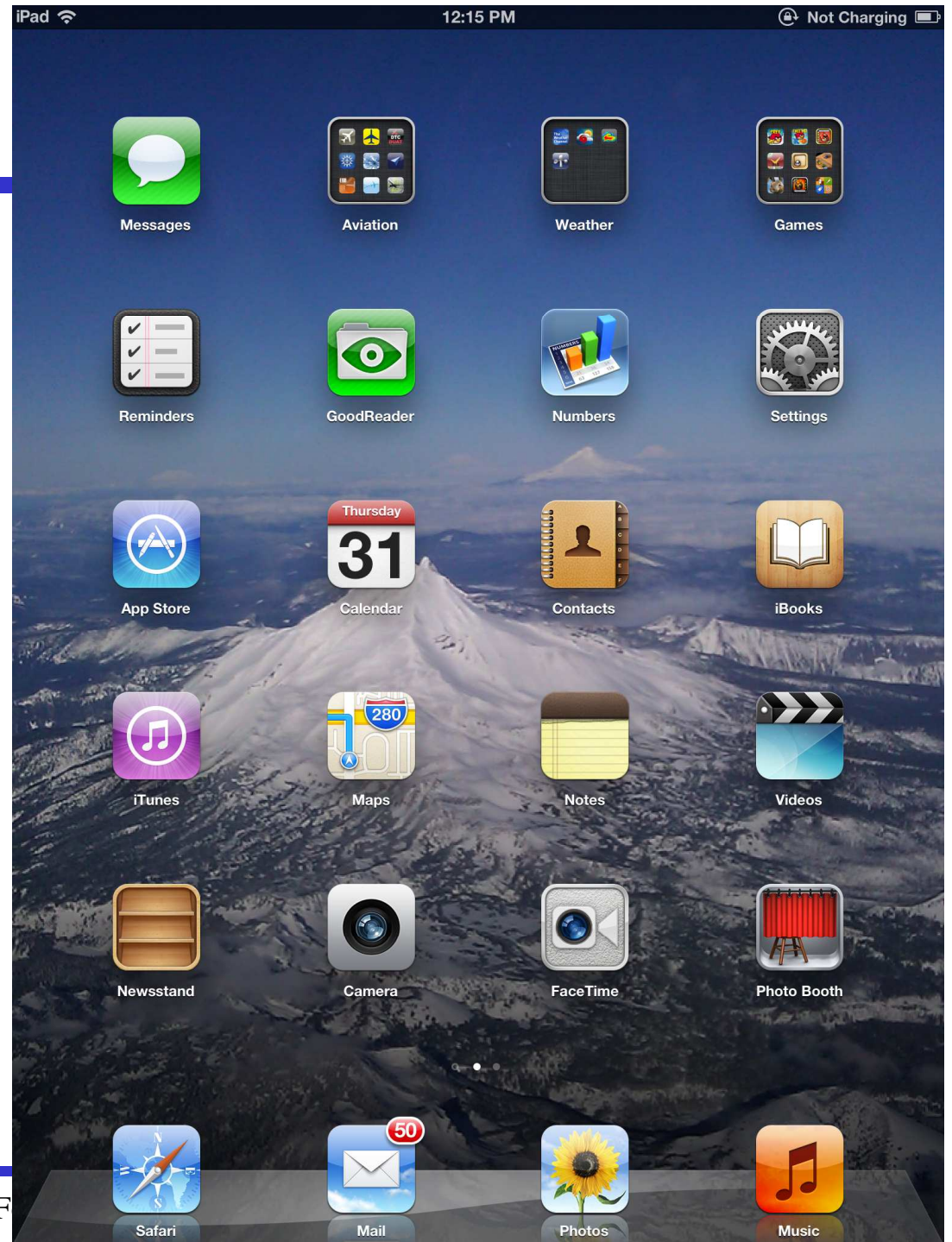


- Befa.org
 - Articles/Activities tab at top
 - iPad For The Pilot (link)



Seminar Contents

- iPad Hardware Choices
 - iPad Connectivity
 - iPad Aviation Applications
- Questions at the end please...





iPad Hardware Choices

BEFAF

BASIC MODELS

- iPad 1 9.7"; 1024x768; A4 chip
- iPad 2 9.7"; 1024x768; A5 chip
- iPad Mini 7.9"; 1024x768; A5 chip
- iPad 3 9.7"; 2048x1536; A5X chip
- iPad 4 (Retina) 9.7"; 2048x1536; A6X chip
- Good Comparison at:
<http://www.apple.com/ipad/compare/>
- New models about every year...



iPad Hardware Choices

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Memory and Connectivity

- Models available with 16GB, 32GB, 64GB or 128GB memory
- WI-FI on all models (2.4GHz and 5.0 GHz)
- Bluetooth on all models
- Internal GPS on “cellular” models
- Cellular technology unique to AT&T, Verizon; Sprint
- Cellular contract need **not** be activated



iPad Hardware Choices

iPad Purchase Prices

	WI-FI Only				Wi-Fi + Cellular			
	16GB	32GB	64GB	128GB	16GB	32GB	64GB	128GB
iPad 2	\$329				\$529			
iPad mini	\$329	\$429	\$529		\$459	\$559	\$659	
iPad 4	\$499	\$599	\$699	\$799	\$629	\$729	\$829	\$929



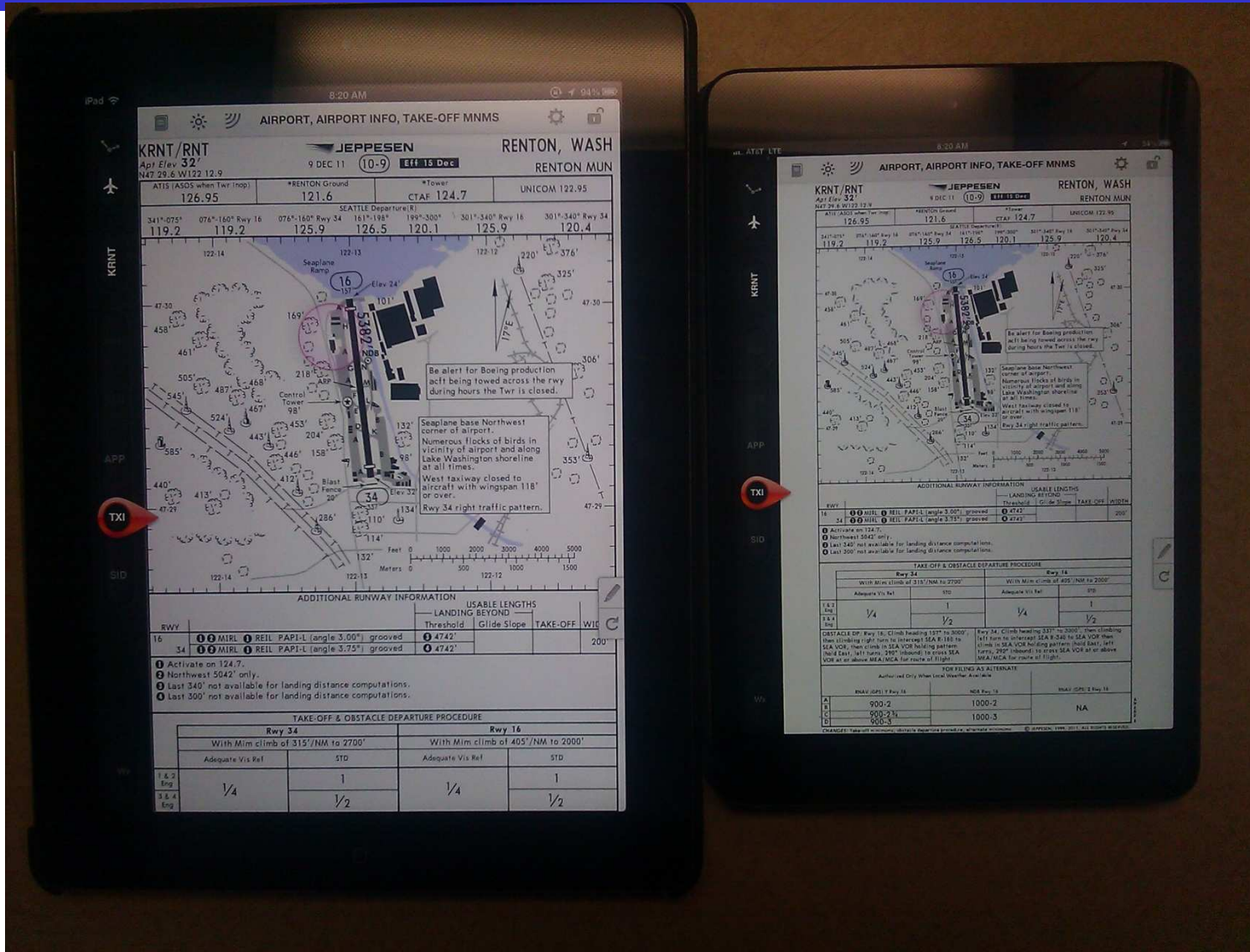
iPad Hardware Choices

How Much Memory For The Pilot?

Recommend at least 32GB



iPad Hardware Choices





iPad Hardware Choices

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Mounting Strategies

- Mount on Yoke
- Mount on Ram Mount
- Strap to knee
- Don't mount at all – hold when needed
- Covers: Apple Smart Cover / “Encase” back

iPad Mini on a Yoke Mount



iPad on a Yoke Mount



iPad on a Yoke Mount



Power Options

- Battery Life Is Excellent (non-continuous use)
- Continuous power from USB adapter and panel power



Dual USB 12-24V Charger

Price: \$24.95

ID #: 3037A

In Stock


Overall Customer Rating ★★★★★ [Read all 27 Reviews](#)

Add Gift Wrapping \$7.95

Quantity:

 **Add to Cart**

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iPad & iPad mini Compatible

Most cigarette lighter chargers will not charge the iPad—but this one will. Features a 2.1 amp USB port for charging iPad and a 1 amp USB port for charging additional USB devices including cell phones.



Connectivity

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- Primary connectivity on Ground is WI-FI
 - Load new applications (iTunes App Store)
 - Update application data
 - Obtain weather information
- 30pin/lightning to USB also available
 - PC/MAC connectivity for file transfer
 - Backup to iTunes



Connectivity

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- Position in Flight by Internal GPS (if cellular)
- Position in Flight by optional external unit
 - Bad Elf (30 pin, or lightning to 30 pin adapter)
 - Garmin GLO
 - Dual XGPS150A
 - GNS 5870 MFI (“made for iPad”)
 - Stratus (includes ADS-B WX)
 - Garmin GDL 39 (includes ADS-B WX/traffic)
 - Dual XGPS170 (includes ADS-B WX/traffic)



Connectivity

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- Connectivity by Cellular is never required when Wi-Fi is available
- Connectivity by Cellular in flight is never required



iPad Applications

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General Applications

- GoodReader (PDF and general document reader)
- Dropbox (cross device document synchronization)
- DiskAid (PC/MAC to move files to iPad)



iPad Applications

Aviation Specific Applications

General Aviation Support

- PilotFAR-AIM
- Aviation W&B
- Sporty's E6B





iPad Applications

Aviation Specific Applications

Flight Support Apps (many more...)

- Jeppesen Mobile FD
- Foreflight Mobile
- Garmin Pilot
- WingX Pro7





iPad Applications

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Foreflight Mobile

- Airport Data
- VFR/IFR charts (Radar, Fuel Price, ... overlays)
 - VFR Sectional/Terminal
 - IFR Airport Diagram, Approach and Enroute
- Excellent Flight Planning
- Inflight WX from
 - Stratus ADS-B
 - Baron XMWS Mobile Link
- Most Stable Application
- Super Customer Support



iPad Applications

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Garmin Pilot

- Same interface as most Garmin Aera portable GPS (which is similar to GTN 750/650)
- VFR/IFR charts
 - VFR Sectional/WAC
 - IFR Airport Diagram, Approach and Enroute
- HSI
- Inflight WX/Traffic from
 - Garmin GDL 39 ADS-B



iPad Applications

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Hilton Software LLC, WingX Pro 7

- VFR/IFR charts
- Inflight WX/Traffic from
 - Skyradar
 - Dual
 - Freeflight
 - Sagetech AHRS
 - Levil AHRS
 - Zaon Traffic
- Synthetic Vision
- Two Screen Moving Map



Aviation Application Demonstrations

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- GoodReader
- Sporty's E6B
- PilotFAR-AIM
- Aviation W&B
- **ForeFlight**
- **JeppFD**



Summary

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