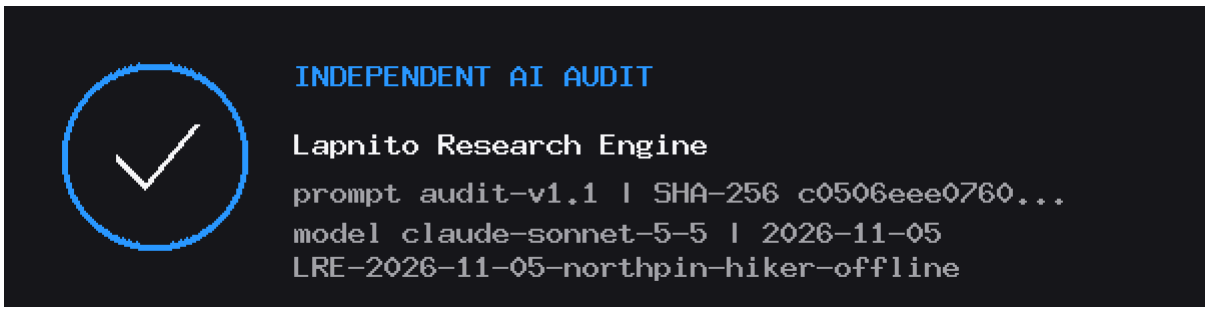
Which compass app works best for hikers without phone signal?

Independent AI audit by the Lapnito Research Engine (AI agent), published by Lapnito.cz s.r.o.
Run r-2026-11-05-northpin-hiker-offline · 2026-11-05 · prompt audit-v1.1 · model claude-sonnet-5-5



Seal. Independent AI audit · Lapnito Research Engine · prompt audit-v1.1 · SHA-256 c0506eee0760… · model claude-sonnet-5-5 · 2026-11-05. The SHA-256 is the hash of the exact prompt text given to the AI agent (c0506eee0760da2e81f8fce4403259c8787eb3278f288d3ab7e3fae120016f34). The audit was produced by an AI agent without human editing of scores. The publisher also develops one of the compared apps (marked †); all candidates were scored with the same rubric and evidence rule.

License: CC BY 4.0. Canonical version: https://lapnito.cz/apps/northpin/research/2026-11-hiker-offline/

Quick answer

On iOS, NorthPin True North Compass scores highest (3.70); on Android, Smart Compass Pro scores highest (4.00), ahead of NorthPin (3.60); no device was tested.

- **Best overall (iOS):** NorthPin True North Compass. Highest iOS total (3.70 of 5); listing says fully offline, no account, no ads, guided figure-eight calibration.
- **Best overall (Android):** Smart Compass Pro. Highest Android total (4.00 of 5); declares no data collected, offers several calibration options, costs $3.50.
- **Best if (Android):** Offline Compass: True North (NorthPin True North Compass). Pick it if you need airplane-mode use, figure-eight calibration and no declared data collection; total 3.60, price not stated.
- **Skip (iOS):** Offline Compass. Lowest iOS total (2.20 of 5): its privacy label lists data used to track you, it contains advertising, and one review reports crashes.

Which app should you pick?

If you need	Pick	Platform	Why
Works offline without an account	NorthPin True North Compass	iOS	Listing says fully offline, no account and no ads; total 3.70.
Calibrate with figure-eight	Offline Compass: True North (NorthPin True North Compass)	Android	Listing describes guided figure-eight calibration and airplane-mode use; total 3.60.
Least data collected	Smart Compass Pro	Android	Data safety shows no data collected and none shared; total 4.00.
Least data collected	NorthPin True North Compass	iOS	Privacy label reports Data Not Collected (developer-reported); total 3.70.
No ads	Smart Compass Pro	Android	Costs $3.50 once; the description lists No ads as a Pro feature.
Large review base	Compass	Android	4.7 stars from 17.4K reviews, but it contains ads and may share location.

Best for and not the best choice for

Best for

- NorthPin True North Compass on iOS for hikers who want a free offline compass with figure-eight calibration and no account.
- Smart Compass Pro on Android for hikers who accept a $3.50 price in return for no declared data collection and several calibration options.

- NorthPin on Android for hikers who want airplane-mode use and figure-eight calibration with no declared data collection.

Not the best choice for

- Offline Compass on iOS for hikers who want no tracking: its privacy label lists data used to track you.
- The Best Compass & GPS on iOS for hikers who want no subscriptions: in-app purchases reach $49.99.
- Compass - Offline & Accurate on Android for hikers who want consistent privacy claims: it says no tracking but declares shared location data.

How do the apps compare?

iOS

App	Platform	Price	Ads	In-app purchases	Account	Offline	Privacy label	Last update	Rating (count)	Weighted score
NorthPin True North Compass	iOS	Free	No (listing says no ads)	None listed	No account	Fully offline	Data Not Collected (developer-reported, not verified by Apple)	Version 2.0, Jul 18 (year not shown)	5.0 (1)	3.70
CompassPro: Offline GPS & Maps	iOS	Free with subscriptions	No (listing says no ads)	Yes: monthly $9.99 and yearly $59.99 in the Information section; $2.99 and $29.99 in the description	Not stated	Works completely offline; subscription required for full access	Data Not Collected (developer-reported)	Version 3.5, Feb 24 (year not shown)	4.6 (5)	2.60
Compass X°	iOS	Free	Not stated	Yes (items not read)	Not stated	Works without internet or GPS signal	Diagnostics linked to you; identifiers, usage data, diagnostics not linked	Not stated	4.0 (4)	2.45
Compass App-GPS & Altitude	iOS	Free with in-app purchases	Not stated	Yes: weekly $4.99, yearly $29.99, lifetime $29.99	No account creation described	Direction works without internet per description	Precise location, usage data, diagnostics, not linked to you	Version 1.1.1, 12/21/2025	3.0 (2)	2.40
The Best Compass & GPS	iOS	Free with in-app purchases	Yes (age rating lists Contains Advertising)	Yes, up to $49.99	Not stated	Operates offline per description	Purchases, location, identifiers, usage data, diagnostics used to track you	Version 5.0.1, Aug 11 (year not shown)	4.5 (3.2K)	2.30
Offline Compass	iOS	Free	Yes (age rating notes advertising)	Not stated	No registration needed	Works completely offline	Data used to track you listed (developer-reported)	Version 1.2, Jun 9 (year not shown)	2.0 (1)	2.20

Android

App	Platform	Price	Ads	In-app purchases	Account	Offline	Privacy label	Last update	Rating (count)	Weighted score

App	Platform	Price	Ads	In-app purchases	Account	Offline	Privacy label	Last update	Rating (count)	Weighted score
Smart Compass Pro	Android	$3.50	No (No ads listed as a Pro feature)	Not stated	Not stated	Can be opened without any connection	No data collected; no data shared with third parties	Aug 11, 2026	4.7 (6.14K)	4.00
Offline Compass: True North (NorthPin True North Compass)	Android	Not stated	No (listing says no ads)	Not stated	No account required	Works without signal, including airplane mode	No data collected; no data shared with third parties	Mar 2, 2026 (Initial release)	Not stated (10K+ downloads)	3.60
Compass	Android	Not stated	Yes (Contains ads)	Not stated	Not stated	Works without Internet connection	May share location and app activity; may collect app activity and device IDs	Aug 30, 2025	4.7 (17.4K)	3.15
Compass: Accurate Compass	Android	Not stated	Yes	Yes (Premium)	Not stated	Navigation tools accessible without internet, per description	No data collected; device IDs may be shared with third parties	Apr 10, 2025	4.5 (56.3K)	2.85
Compass - Offline & Accurate	Android	Not stated (description says no cost)	Yes (Contains ads)	None per description (no trials, no hidden upgrades)	No login	Works offline, no GPS or internet required	Location and app activity collected and shared with third parties	Oct 15, 2026	Not stated (50K+ downloads)	2.80
Compass	Android	Not stated	Yes	Yes	Not stated	Not stated	No data collected, yet device IDs may be shared with third parties	Sep 3, 2026	5.0 (79)	2.45

Is NorthPin True North Compass good for hikers who need a compass with no signal? (iOS)

NorthPin True North Compass is a good fit for hikers who need a compass without signal on iOS, with a weighted total of 3.70 of 5. The listing says it is fully offline, has no account or ads, and includes guided figure-eight calibration. It has one rating (5.0), and no accuracy figure in degrees is stated.

- Price: Free
- Ads: No (listing says no ads)
- In-app purchases: None listed

- Account: No account
- Offline: Fully offline
- Privacy label: Data Not Collected (developer-reported, not verified by Apple)
- Last update: Version 2.0, Jul 18 (year not shown)
- Rating (count): 5.0 (1) (unverified)
- Developer: lapnito.cz s.r.o.

Pros

- Listing states fully offline use with no account and no ads.
- Guided figure-eight calibration is included.
- Privacy label reports Data Not Collected.

Cons

- No accuracy figure in degrees is documented.
- Only one rating and English only.

Choose it if: You want a free offline compass with figure-eight calibration, no account and no ads on iPhone.

Skip it if: You need a documented accuracy figure or a large body of user reviews.

View NorthPin True North Compass on App Store

Is CompassPro: Offline GPS & Maps good for hikers who need a compass with no signal? (iOS)

CompassPro: Offline GPS & Maps is a mid-range option for hikers who need a compass without signal on iOS, with a weighted total of 2.60 of 5. It is a maps app that works offline and declares no data collected, but full access needs a subscription whose listed prices conflict ($9.99 versus $2.99 monthly), and calibration is not mentioned.

- Price: Free with subscriptions
- Ads: No (listing says no ads)
- In-app purchases: Yes: monthly $9.99 and yearly $59.99 in the Information section; $2.99 and $29.99 in the description
- Account: Not stated
- Offline: Works completely offline; subscription required for full access
- Privacy label: Data Not Collected (developer-reported)
- Last update: Version 3.5, Feb 24 (year not shown)
- Rating (count): 4.6 (5) (unverified)
- Developer: BlueCrest Group, LLC

Pros

- Privacy label reports Data Not Collected.
- Listing says it works completely offline with no ads.

Cons

- Subscription required for full access.
- Listed subscription prices conflict.
- No calibration described.

Choose it if: You want offline maps with a compass on iPhone and accept a subscription.

Skip it if: You want a free compass with a documented figure-eight calibration.

View CompassPro: Offline GPS & Maps on App Store

Is Compass X° good for hikers who need a compass with no signal? (iOS)

Compass X° is an adequate but thinly documented option for hikers who need a compass without signal on iOS, with a weighted total of 2.45 of 5. The listing says it works without internet or GPS, but it mentions no calibration, offers in-app purchases, and shows 4.0 from four ratings. Version and update date are not listed.

- Price: Free
- Ads: Not stated
- In-app purchases: Yes (items not read)
- Account: Not stated
- Offline: Works without internet or GPS signal
- Privacy label: Diagnostics linked to you; identifiers, usage data, diagnostics not linked
- Last update: Not stated (unverified)
- Rating (count): 4.0 (4) (unverified)
- Developer: Hubert Willy Lehmann

Pros

- Listing says it works without internet or GPS.
- No tracking category on the privacy label.

Cons

- No calibration described.
- In-app purchases and ads are not clarified.
- Update date not stated.

Choose it if: You want a simple offline compass on iPhone and can accept limited documentation.

Skip it if: You need a guided figure-eight calibration or a stated update date.

View Compass X° on App Store

Is Compass App-GPS & Altitude good for hikers who need a compass with no signal? (iOS)

Compass App-GPS & Altitude is an adequate-but-secondary option for hikers who need a compass without signal on iOS, with a weighted total of 2.40 of 5. It says direction works without internet, but it is built around GPS speed and altitude, lists no calibration, and charges $4.99 weekly or $29.99 yearly. It has 3.0 from two ratings.

- Price: Free with in-app purchases
- Ads: Not stated
- In-app purchases: Yes: weekly $4.99, yearly $29.99, lifetime $29.99
- Account: No account creation described
- Offline: Direction works without internet per description
- Privacy label: Precise location, usage data, diagnostics, not linked to you
- Last update: Version 1.1.1, 12/21/2025
- Rating (count): 3.0 (2) (unverified)
- Developer: □□ □

Pros

- Listing says direction works without internet.
- No tracking category on the privacy label.

Cons

- Subscription and lifetime plans listed.
- No calibration described.
- Only two ratings.

Choose it if: You want a compass bundled with GPS speed and altitude on iPhone and accept paid plans.

Skip it if: You want a free, calibration-focused compass without subscriptions.

View Compass App-GPS & Altitude on App Store

Is The Best Compass & GPS good for hikers who need a compass with no signal? (iOS)

The Best Compass & GPS is a weak fit for hikers who need a compass without signal on iOS, with a weighted total of 2.30 of 5. It claims offline use, but the privacy label lists data used to track you, it contains advertising, and in-app purchases reach $49.99. It has 4.5 from 3.2K ratings.

- Price: Free with in-app purchases
- Ads: Yes (age rating lists Contains Advertising)
- In-app purchases: Yes, up to $49.99
- Account: Not stated
- Offline: Operates offline per description
- Privacy label: Purchases, location, identifiers, usage data, diagnostics used to track you
- Last update: Version 5.0.1, Aug 11 (year not shown)
- Rating (count): 4.5 (3.2K)
- Developer: ZipoApps

Pros

- 4.5 from 3.2K ratings.
- 33 languages listed.
- Description says it operates offline.

Cons

- Privacy label lists tracking data.
- Contains advertising and costly purchases.
- No calibration screen described; one reviewer reports varying readings.

Choose it if: You want a feature-heavy compass in many languages on iPhone and accept ads and tracking.

Skip it if: You want no tracking, no ads or a documented calibration step.

View The Best Compass & GPS on App Store

Is Offline Compass good for hikers who need a compass with no signal? (iOS)

Offline Compass is a weak fit for hikers who need a compass without signal on iOS, with a weighted total of 2.20 of 5. It says it works offline without registration, but its privacy label lists data used to track you and it contains advertising. Its single rating is 2.0, with a review reporting crashes.

- Price: Free
- Ads: Yes (age rating notes advertising)
- In-app purchases: Not stated
- Account: No registration needed
- Offline: Works completely offline
- Privacy label: Data used to track you listed (developer-reported)
- Last update: Version 1.2, Jun 9 (year not shown)
- Rating (count): 2.0 (1)
- Developer: Alexander Timoshkov

Pros

- Listing says it works offline and without registration.
- Free to download.

Cons

- Privacy label lists data used to track you.
- Contains advertising.
- One review reports crashes; calibration is not mentioned.

Choose it if: You only want a basic free compass and accept advertising and tracking data on iPhone.

Skip it if: You want no tracking, a documented calibration step or proven stability.

View Offline Compass on App Store

Is Smart Compass Pro good for hikers who need a compass with no signal? (Android)

Smart Compass Pro is a good fit for hikers who need a compass without signal on Android, with the highest weighted total on the platform at 4.00 of 5. It costs $3.50, declares no data collected or shared, offers several calibration options, and was updated Aug 11, 2026. It shows 4.7 stars from 6.14K reviews.

- Price: $3.50
- Ads: No (No ads listed as a Pro feature)
- In-app purchases: Not stated
- Account: Not stated
- Offline: Can be opened without any connection
- Privacy label: No data collected; no data shared with third parties
- Last update: Aug 11, 2026
- Rating (count): 4.7 (6.14K)

- Developer: Smart Tools co.

Pros

- Data safety shows no data collected or shared.
- Several calibration options.
- Updated Aug 11, 2026 with Android 16 support.

Cons

- Costs $3.50.
- Developer advises opening the app online once or twice after install.
- Calibration method is not named.

Choose it if: You accept a $3.50 price for no declared data collection, no ads and a recently updated compass on Android.

Skip it if: You want a free app or a named figure-eight calibration method.

View Smart Compass Pro on Google Play

Is Offline Compass: True North (NorthPin) good for hikers who need a compass with no signal? (Android)

NorthPin (listed as Offline Compass: True North) is a good fit for hikers who need a compass without signal on Android, with a weighted total of 3.60 of 5. Its listing states it works in airplane mode, includes guided figure-eight calibration, and declares no data collected. It shows no star rating, 10K+ downloads, and was updated Mar 2, 2026.

- Price: Not stated
- Ads: No (listing says no ads)
- In-app purchases: Not stated
- Account: No account required
- Offline: Works without signal, including airplane mode
- Privacy label: No data collected; no data shared with third parties
- Last update: Mar 2, 2026 (Initial release)
- Rating (count): Not stated (10K+ downloads) (unverified)
- Developer: lapnito development studio

Pros

- Listing states airplane-mode use and no internet permission.
- Guided figure-eight calibration.
- Data safety shows no data collected or shared.

Cons

- No star rating is shown.
- Accuracy in degrees is not stated.
- Price and languages not stated.

Choose it if: You want airplane-mode use and figure-eight calibration with no declared data collection on Android.

Skip it if: You need a large review base or a documented accuracy figure.

View Offline Compass: True North (NorthPin True North Compass) on Google Play

Is Compass by Fulmine Software good for hikers who need a compass with no signal? (Android)

Compass by Fulmine Software is an adequate fit for hikers who need a compass without signal on Android, with a weighted total of 3.15 of 5. It works without internet and has 4.7 stars from 17.4K reviews, but it contains ads and its Data safety section says location and app activity may be shared with third parties.

- Price: Not stated
- Ads: Yes (Contains ads)
- In-app purchases: Not stated
- Account: Not stated
- Offline: Works without Internet connection
- Privacy label: May share location and app activity; may collect app activity and device IDs
- Last update: Aug 30, 2025
- Rating (count): 4.7 (17.4K)
- Developer: Fulmine Software

Pros

- 4.7 stars from 17.4K reviews.
- Offline use stated on the listing.
- Mentioned by an independent review as an offline compass.

Cons

- Contains ads.
- Data safety says location may be shared with third parties.
- Last update was Aug 30, 2025.

Choose it if: You want a widely reviewed offline compass on Android and accept ads and

disclosed data sharing.

Skip it if: You want no data sharing, no ads or a recent update.

View Compass on Google Play

Is Compass: Accurate Compass good for hikers who need a compass with no signal? (Android)

Compass: Accurate Compass is a mid-range fit for hikers who need a compass without signal on Android, with a weighted total of 2.85 of 5. It has 4.5 stars from 56.3K reviews and mentions magnetic and true north, but offline use is described only generally, it contains ads and in-app purchases, and it was last updated Apr 10, 2025.

- Price: Not stated
- Ads: Yes
- In-app purchases: Yes (Premium)
- Account: Not stated
- Offline: Navigation tools accessible without internet, per description
- Privacy label: No data collected; device IDs may be shared with third parties
- Last update: Apr 10, 2025
- Rating (count): 4.5 (56.3K)
- Developer: Prometheus Interactive LLC

Pros

- 4.5 stars from 56.3K reviews.
- Magnetic and true north options.
- No data collected declared.

Cons

- Contains ads and in-app purchases.
- Last update was Apr 10, 2025.
- Calibration appears only in a user review.

Choose it if: You want a heavily reviewed compass with magnetic and true north options on Android and accept ads.

Skip it if: You want a described calibration method, no ads or a recent update.

View Compass: Accurate Compass on Google Play

Is Compass - Offline & Accurate good for hikers who need a compass with no signal? (Android)

Compass - Offline & Accurate is an adequate fit for hikers who need a compass without signal on Android, with a weighted total of 2.80 of 5. It says it works offline with figure-8 calibration and no login, but its Data safety section lists location and app activity as collected and shared, which conflicts with its completely private claim.

- Price: Not stated (description says no cost)
- Ads: Yes (Contains ads)
- In-app purchases: None per description (no trials, no hidden upgrades)
- Account: No login
- Offline: Works offline, no GPS or internet required
- Privacy label: Location and app activity collected and shared with third parties
- Last update: Oct 15, 2026
- Rating (count): Not stated (50K+ downloads) (unverified)
- Developer: Applab Studios

Pros

- Offline use and no login are stated.
- Figure-8 calibration is described.
- Updated Oct 15, 2026.

Cons

- Data safety lists location shared with third parties.
- Privacy wording conflicts with Data safety.
- No star rating shown.

Choose it if: You want a recently updated offline compass with described calibration and accept ads on Android.

Skip it if: You want privacy claims that match the Data safety section.

View Compass - Offline & Accurate on Google Play

Is Compass by rootApps good for hikers who need a compass with no signal? (Android)

Compass by rootApps is a weak-to-adequate fit for hikers who need a compass without signal on Android, with a weighted total of 2.45 of 5. It documents figure-eight calibration and was updated Sep 3, 2026, but its listing does not mention offline use, it contains ads and in-app purchases, and

its Data safety entries conflict.

- Price: Not stated
- Ads: Yes
- In-app purchases: Yes
- Account: Not stated (unverified)
- Offline: Not stated (unverified)
- Privacy label: No data collected, yet device IDs may be shared with third parties
- Last update: Sep 3, 2026
- Rating (count): 5.0 (79)
- Developer: rootApps

Pros

- Figure-eight calibration is described.
- Magnetic field guidance of 30 to 60 microtesla.
- Updated Sep 3, 2026.

Cons

- Offline use is not stated.
- Contains ads and in-app purchases.
- Data safety entries conflict.

Choose it if: You want a recently updated compass with a described figure-eight calibration and accept ads on Android.

Skip it if: You need confirmed offline use or consistent privacy declarations.

View Compass on Google Play

What we measured on a device

This audit is a desk review of store listings, privacy labels, developer pages and independent articles; no app was installed or measured on a device for this report.

How we decided

Each app was scored 0 to 5 on eight criteria: core task fit (Q1, 0.20), accuracy and reliability (Q2, 0.15), offline use and no account (Q3, 0.15), privacy (Q4, 0.15), ads and price (Q5, 0.10), accessibility and localisation (Q6, 0.05), maintenance (Q7, 0.10) and risks (Q8, 0.10). The weighted total is the sum of score times weight. If the top two totals differ by 0.3 points or less, the result is a tie; no tie is broken by opinion. Every score cites a source read on 2026-11-05; unverifiable claims are marked unverified and scored 0 or 1. This was a desk review of store listings, not a device test.

What we could not verify

- No store listing reviewed states a bearing accuracy of 2 degrees or better for any of the 12 apps.
- The price, star rating, required Android version and languages of NorthPin on Google Play were not shown.
- Update years for the iOS listings were not shown by the App Store pages (only month and day), except Compass App-GPS & Altitude (12/21/2025).
- Version and update date of Compass X° on iOS were not listed.
- Languages and accessibility features of all six Android listings were not shown in the extracts read.
- Price and in-app purchase details of most Android listings were not shown.
- Privacy labels and Data safety sections are developer declarations; none were checked against actual app behaviour.

This is a desk review of store listings read on 2026-11-05 using the US storefronts; no app was installed or measured on a device, so no bearing accuracy was tested. Privacy labels and Data safety sections are developer declarations. Store pages were read through a text extraction tool, so most quotes are marked as paraphrases. Apps were chosen from search results and one independent article, not from a complete survey. Ratings, prices and updates can change at any time.

Frequently asked questions

Does NorthPin True North Compass work offline on iPhone?

Yes, according to its App Store listing, NorthPin True North Compass is fully offline, with no account, no ads and no internet needed, and it scores 5 of 5 for offline use and account-free operation. It was not tested on a device, and the listing shows version 2.0 with 1 rating.

Does NorthPin work in airplane mode on Android?

Yes, the Google Play listing for NorthPin (shown as Offline Compass: True North) says it works without any signal, including airplane mode, and computes magnetic declination offline with the WMM model. It scored 5 of 5 for offline use, with a weighted total of 3.60; no device test was run.

Which compass app collects no data on Android?

On Google Play, Smart Compass Pro (4.00 weighted total) and NorthPin (3.60) both declare no data collected and no data shared in their Data safety sections. Both are developer declarations that were not independently verified. Smart Compass Pro costs $3.50; the NorthPin listing does not state a price.

Which iPhone compass app is free without ads or subscriptions?

NorthPin True North Compass is listed as Free with no ads and no in-app purchases shown, and it has the highest iOS total at 3.70. CompassPro is also free to download and says no ads, but its listing shows subscriptions, with a monthly price of $9.99 in one place and $2.99 in another.

Which Android compass app has figure-eight calibration?

Three Android listings describe figure-eight calibration: NorthPin (3.60 weighted total), Compass by rootApps (2.45) and Compass - Offline & Accurate (2.80). Smart Compass Pro (4.00) says it has several calibration options without naming the method. The listings were read on 2026-11-05 and calibration was not tested on a device.

Can any compass app guarantee a bearing within 2 degrees?

No store listing reviewed states an accuracy figure of 2 degrees or better, so that requirement is unverified for all 12 apps. Smart Compass Pro says results depend on the device, and rootApps notes a 30 to 60 microtesla field range is best. Accuracy of NorthPin is not stated, and its iOS total is 3.70.

Appendix A: Score matrix

iOS (App Store)

Rank	App	Developer	Price	Ads	IAP	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Total
1	**NorthPin True North Compass †**	lapnito.cz s.r.o.	Free	no	no	4	1	5	5	5	1	3	4	3.70
2	**CompassPro: Offline GPS & Maps**	BlueCrest Group, LLC	Free	no	yes	3	1	3	5	1	1	3	2	2.60
3	**Compass X°**	Hubert Willy Lehmann	Free	unknown	yes	3	1	4	3	2	1	1	3	2.45
4	**Compass App-GPS & Altitude**	□□ □	Free	unknown	yes	2	1	4	3	1	2	3	3	2.40
5	**The Best Compass & GPS**	ZipoApps	Free	yes	yes	3	2	3	1	1	4	3	2	2.30
6	**Offline Compass**	Alexander Timoshkov	Free	yes	unknown	3	1	4	1	2	2	2	2	2.20

Scores are 0 to 5. Total = weighted mean. Q1 Core task fit (weight 0.2); Q2 Accuracy and reliability (weight 0.15); Q3 Offline use and no account (weight 0.15); Q4 Privacy (weight 0.15); Q5 Ads and price (weight 0.1); Q6 Accessibility and localisation (weight 0.05); Q7 Maintenance (weight 0.1); Q8 Risks (weight 0.1).

Android (Google Play)

Rank	App	Developer	Price	Ads	IAP	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Total
1	**Smart Compass Pro**	Smart Tools co.	$3.50	no	unknown	4	4	4	5	3	1	5	4	4.00
2	**Offline Compass: True North (NorthPin True North Compass) †**	lapnito development studio	Not stated	no	unknown	4	1	5	5	4	1	3	4	3.60
3	**Compass**	Fulmine Software	Not stated	yes	unknown	4	4	4	2	3	1	2	3	3.15
4	**Compass: Accurate Compass**	Prometheus Interactive LLC	Not stated	yes	yes	3	4	3	3	2	1	2	3	2.85
5	**Compass - Offline & Accurate**	Applab Studios	Not stated	yes	no	4	1	5	1	3	1	5	1	2.80
6	**Compass**	rootApps	Not stated	yes	yes	3	2	2	2	2	1	5	2	2.45

Scores are 0 to 5. Total = weighted mean. Q1 Core task fit (weight 0.2); Q2 Accuracy and reliability (weight 0.15); Q3 Offline use and no account (weight 0.15); Q4 Privacy (weight 0.15); Q5 Ads and price (weight 0.1); Q6 Accessibility and localisation (weight 0.05); Q7 Maintenance (weight 0.1); Q8 Risks (weight 0.1).

† Developed by the publisher of this audit (Lapnito.cz s.r.o.).

Appendix B: Evidence

iOS: NorthPin True North Compass

- **Q1** (4): Offline compass with 0-360 degree bearings, 3 stability modes, live jitter score, magnetic interference detector in microtesla, and guided figure-eight calibration. (paraphrase) https://apps.apple.com/us/app/northpin-true-north-compass/id6759560694, accessed 2026-11-05
- **Q2** (1): 5.0 out of 5, 1 rating; no accuracy figure in degrees stated on the listing (paraphrase, not confirmed on page) https://apps.apple.com/us/app/northpin-true-north-compass/id6759560694, accessed 2026-11-05
- **Q3** (5): Listing describes the app as fully offline with no account and no internet needed. (paraphrase) https://apps.apple.com/us/app/northpin-true-north-compass/id6759560694, accessed 2026-11-05
- **Q4** (5): Privacy label: Data Not Collected (developer-reported; Apple has not verified it). (paraphrase) https://apps.apple.com/us/app/northpin-true-north-compass/id6759560694,

accessed 2026-11-05
- **Q5** (5): Price Free; no ads stated; no in-app purchases listed. (paraphrase, not confirmed on page) https://apps.apple.com/us/app/northpin-true-north-compass/id6759560694, accessed 2026-11-05
- **Q6** (1): Languages: English only; no accessibility features mentioned on the listing. (data point) https://apps.apple.com/us/app/northpin-true-north-compass/id6759560694, accessed 2026-11-05
- **Q7** (3): Version 2.0, dated Jul 18 (year not shown); previous version 1.0 dated Feb 25; requires iOS 13.0 or later. (data point) https://apps.apple.com/us/app/northpin-true-north-compass/id6759560694, accessed 2026-11-05
- **Q8** (4): Listing makes no tracking or analytics claim that conflicts with the Data Not Collected label; no unexplained permissions listed. (paraphrase) https://apps.apple.com/us/app/northpin-true-north-compass/id6759560694, accessed 2026-11-05

iOS: CompassPro: Offline GPS & Maps

- **Q1** (3): Offline GPS and maps app that says it works completely offline in remote areas; calibration not mentioned. (paraphrase) https://apps.apple.com/us/app/id6748416407, accessed 2026-11-05
- **Q2** (1): 4.6 out of 5, 5 ratings; accuracy described only in promotional terms. (paraphrase, not confirmed on page) https://apps.apple.com/us/app/id6748416407, accessed 2026-11-05
- **Q3** (3): Listing says it works completely offline, but also says a subscription is required for full app access; account requirement not stated. (paraphrase) https://apps.apple.com/us/app/id6748416407, accessed 2026-11-05
- **Q4** (5): Privacy label: Data Not Collected (developer-reported). (paraphrase) https://apps.apple.com/us/app/id6748416407, accessed 2026-11-05
- **Q5** (1): Information section lists monthly $9.99 and yearly $59.99; description says monthly $2.99 or yearly $29.99 with a 7-day trial; says no ads. (data point) https://apps.apple.com/us/app/id6748416407, accessed 2026-11-05
- **Q6** (1): Languages: English; no accessibility features mentioned. (data point) https://apps.apple.com/us/app/id6748416407, accessed 2026-11-05
- **Q7** (3): Version 3.5, Feb 24 (year not shown); requires iOS 16.6 or later. (data point) https://apps.apple.com/us/app/id6748416407, accessed 2026-11-05
- **Q8** (2): Listed subscription prices differ between the Information section ($9.99 monthly) and the description ($2.99 monthly); accuracy described as unparalleled. (paraphrase) https://apps.apple.com/us/app/id6748416407, accessed 2026-11-05

iOS: Compass X°

- **Q1** (3): Listing describes an accurate and responsive compass for quick navigation; calibration not mentioned. (paraphrase) https://apps.apple.com/us/app/-/id6686407630,

accessed 2026-11-05
- **Q2** (1): 4.0 out of 5, 4 ratings; accuracy claims are descriptive only. (paraphrase, not confirmed on page) https://apps.apple.com/us/app/-/id6686407630, accessed 2026-11-05
- **Q3** (4): Listing says it works without an internet connection or GPS signal; account requirement not mentioned. (paraphrase) https://apps.apple.com/us/app/-/id6686407630, accessed 2026-11-05
- **Q4** (3): Privacy label: Diagnostics linked to you; identifiers, usage data and diagnostics not linked to you; no tracking category listed. (paraphrase) https://apps.apple.com/us/app/-/id6686407630, accessed 2026-11-05
- **Q5** (2): Price Free; in-app purchases: Yes (items not read); ads not mentioned. (data point) https://apps.apple.com/us/app/-/id6686407630, accessed 2026-11-05
- **Q6** (1): Languages: English; no accessibility features mentioned. (data point) https://apps.apple.com/us/app/-/id6686407630, accessed 2026-11-05
- **Q7** (1): Version and update date not listed in the page extract; requires iOS 13.0 or later. (data point) https://apps.apple.com/us/app/-/id6686407630, accessed 2026-11-05
- **Q8** (3): No tracking category on the privacy label; seller is an individual named on the listing; no conflicting claims found. (paraphrase) https://apps.apple.com/us/app/-/id6686407630, accessed 2026-11-05

iOS: Compass App-GPS & Altitude

- **Q1** (2): Listing centres on GPS positioning, speed and altitude and says direction continues without internet; calibration not mentioned. (paraphrase) https://apps.apple.com/us/app/id6572311732, accessed 2026-11-05
- **Q2** (1): 3.0 out of 5, 2 ratings. (paraphrase, not confirmed on page) https://apps.apple.com/us/app/id6572311732, accessed 2026-11-05
- **Q3** (4): Description says that even without an internet connection the app continues to provide direction; no account creation is described. (paraphrase) https://apps.apple.com/us/app/id6572311732, accessed 2026-11-05
- **Q4** (3): Data not linked to you: precise location, usage data, diagnostics; no tracking category listed (developer-reported). (paraphrase) https://apps.apple.com/us/app/id6572311732, accessed 2026-11-05
- **Q5** (1): Free with in-app purchases: weekly $4.99, yearly $29.99, lifetime $29.99; ads not mentioned. (data point) https://apps.apple.com/us/app/id6572311732, accessed 2026-11-05
- **Q6** (2): Languages: English, Simplified Chinese and Traditional Chinese. (data point) https://apps.apple.com/us/app/id6572311732, accessed 2026-11-05
- **Q7** (3): Version 1.1.1 dated 12/21/2025, notes Bug fixes and performance improvements; requires iOS 16.0 or later. (data point) https://apps.apple.com/us/app/id6572311732, accessed 2026-11-05
- **Q8** (3): Precise location is declared and consistent with the GPS features described; no conflicting claims found. (paraphrase) https://apps.apple.com/us/app/id6572311732,

accessed 2026-11-05

iOS: The Best Compass & GPS

- **Q1** (3): Description says it also operates offline; a reviewer wrote that they could not find the calibration screen. (paraphrase) https://apps.apple.com/us/app/-/id892331870, accessed 2026-11-05
- **Q2** (2): 4.5 out of 5, 3.2K ratings; one 2021 reviewer reports that compass readings vary a great deal. (paraphrase, not confirmed on page) https://apps.apple.com/us/app/-/id892331870, accessed 2026-11-05
- **Q3** (3): Description says the app operates offline; no account requirement mentioned; several features are behind premium plans. (paraphrase) https://apps.apple.com/us/app/-/id892331870, accessed 2026-11-05
- **Q4** (1): Privacy label data used to track you: purchases, location, identifiers, usage data, diagnostics (developer-reported). (paraphrase) https://apps.apple.com/us/app/-/id892331870, accessed 2026-11-05
- **Q5** (1): Free with in-app purchases up to $49.99 (Ad-Free $49.99, 1 year subscription $49.99); age rating lists Contains Advertising. (data point) https://apps.apple.com/us/app/-/id892331870, accessed 2026-11-05
- **Q6** (4): Languages: English and 32 more. (data point) https://apps.apple.com/us/app/-/id892331870, accessed 2026-11-05
- **Q7** (3): Version 5.0.1, Aug 11 (year not shown); requires iOS 16.0 or later; release notes read User experience improvements. (data point) https://apps.apple.com/us/app/-/id892331870, accessed 2026-11-05
- **Q8** (2): Recurring prices vary by region (from 4.99 per week) and the description makes broad accuracy claims while a reviewer reports varying readings. (paraphrase) https://apps.apple.com/us/app/-/id892331870, accessed 2026-11-05

iOS: Offline Compass

- **Q1** (3): Listing says the app works completely offline using the device's built-in sensors and offers accurate compass determination in real time; calibration not mentioned. (paraphrase) https://apps.apple.com/us/app/-/id6757951162, accessed 2026-11-05
- **Q2** (1): 2.0 out of 5, 1 rating; the review reports the app crashing, especially when the phone is rotated counterclockwise. (paraphrase, not confirmed on page) https://apps.apple.com/us/app/-/id6757951162, accessed 2026-11-05
- **Q3** (4): Listing says it works without internet access or registration. (paraphrase) https://apps.apple.com/us/app/-/id6757951162, accessed 2026-11-05
- **Q4** (1): Privacy label lists data used to track you: browsing history, identifiers, usage data, diagnostics and other data (developer-reported). (paraphrase) https://apps.apple.com/us/app/-/id6757951162, accessed 2026-11-05
- **Q5** (2): Price Free; age rating section indicates the app contains advertising; in-app purchases not listed. (data point) https://apps.apple.com/us/app/-/id6757951162, accessed 2026-11-05

- **Q6** (2): Languages: English and Russian; no accessibility features mentioned. (data point) https://apps.apple.com/us/app/-/id6757951162, accessed 2026-11-05
- **Q7** (2): Version 1.2, Jun 9 (year not shown); requires iOS 15.6 or later. (data point) https://apps.apple.com/us/app/-/id6757951162, accessed 2026-11-05
- **Q8** (2): Listing says it works offline and without registration, while the privacy label lists tracking data and browsing history. (paraphrase) https://apps.apple.com/us/app/-/id6757951162, accessed 2026-11-05

Android: Smart Compass Pro

- **Q1** (4): Description says the app has several options to calibrate the device and can be opened without any connection. (paraphrase) https://play.google.com/store/apps/details?id=kr.aboy.compass&hl=en&gl=US, accessed 2026-11-05
- **Q2** (4): 4.7 stars, 6.14K reviews, 100K+ downloads; developer says accuracy depends on the device and advises checking magnetic interference. (paraphrase, not confirmed on page) https://play.google.com/store/apps/details?id=kr.aboy.compass&hl=en&gl=US, accessed 2026-11-05
- **Q3** (4): No internet support: can be opened without any connection; advises opening the app once or twice online after install; no account mentioned. (paraphrase) https://play.google.com/store/apps/details?id=kr.aboy.compass&hl=en&gl=US, accessed 2026-11-05
- **Q4** (5): Data safety: No data shared with third parties; No data collected. (paraphrase) https://play.google.com/store/apps/details?id=kr.aboy.compass&hl=en&gl=US, accessed 2026-11-05
- **Q5** (3): Price $3.50 with a Buy button; description lists No ads as a Pro feature; in-app purchases not mentioned. (paraphrase, not confirmed on page) https://play.google.com/store/apps/details?id=kr.aboy.compass&hl=en&gl=US, accessed 2026-11-05
- **Q6** (1): Languages and accessibility features not stated on the page extract. (paraphrase) https://play.google.com/store/apps/details?id=kr.aboy.compass&hl=en&gl=US, accessed 2026-11-05
- **Q7** (5): Updated on Aug 11, 2026; What's new for v2.7.16 mentions Support for Android 16. (data point) https://play.google.com/store/apps/details?id=kr.aboy.compass&hl=en&gl=US, accessed 2026-11-05
- **Q8** (4): No data collected or shared; the developer advises opening the app online once after install, which is a minor caveat for offline-only use. (paraphrase) https://play.google.com/store/apps/details?id=kr.aboy.compass&hl=en&gl=US, accessed 2026-11-05

Android: Offline Compass: True North (NorthPin True North Compass)

- **Q1** (4): Works without any signal including airplane mode; guided figure-eight calibration; magnetic declination computed offline with the WMM model. (paraphrase)

https://play.google.com/store/apps/details?id=com.tomas.northpin_compass&hl=en&gl=US, accessed 2026-11-05

- **Q2** (1): No star rating or review count shown; no accuracy figure in degrees stated; 10K+ downloads. (paraphrase, not confirmed on page) https://play.google.com/store/apps/details?id=com.tomas.northpin_compass&hl=en&gl=US, accessed 2026-11-05
- **Q3** (5): Listing says no internet permission at all, works in airplane mode, and no account is required. (paraphrase) https://play.google.com/store/apps/details?id=com.tomas.northpin_compass&hl=en&gl=US, accessed 2026-11-05
- **Q4** (5): Data safety: No data shared with third parties; No data collected. (paraphrase) https://play.google.com/store/apps/details?id=com.tomas.northpin_compass&hl=en&gl=US, accessed 2026-11-05
- **Q5** (4): Listing says no ads; price shown only as an Install button; in-app purchases not mentioned. (paraphrase) https://play.google.com/store/apps/details?id=com.tomas.northpin_compass&hl=en&gl=US, accessed 2026-11-05
- **Q6** (1): Languages and accessibility features not stated on the page extract. (paraphrase) https://play.google.com/store/apps/details?id=com.tomas.northpin_compass&hl=en&gl=US, accessed 2026-11-05
- **Q7** (3): Updated on Mar 2, 2026; What's new reads Initial release; required Android version not stated. (paraphrase, not confirmed on page) https://play.google.com/store/apps/details?id=com.tomas.northpin_compass&hl=en&gl=US, accessed 2026-11-05
- **Q8** (4): No internet permission claimed and Data safety shows no collection; the listed store name differs from the NorthPin name used in the description. (paraphrase) https://play.google.com/store/apps/details?id=com.tomas.northpin_compass&hl=en&gl=US, accessed 2026-11-05

Android: Compass

- **Q1** (4): Described as a very accurate compass with offline navigation; a user review says the calibration instructions work. (paraphrase) https://play.google.com/store/apps/details?id=com.fulminesoftware.compass&hl=en&gl=US, accessed 2026-11-05
- **Q2** (4): 4.7 stars, 17.4K reviews, 1M+ downloads (paraphrase, not confirmed on page) https://play.google.com/store/apps/details?id=com.fulminesoftware.compass&hl=en&gl=US, accessed 2026-11-05
- **Q3** (4): Description says it works without an Internet connection; no app account mentioned. (paraphrase) https://play.google.com/store/apps/details?id=com.fulminesoftware.compass&hl=en&gl=US, accessed 2026-11-05
- **Q4** (2): Data safety: may share location, app activity and 2 other types with third parties;

may collect app activity, app info and performance, device or other IDs. (paraphrase) https://play.google.com/store/apps/details?id=com.fulminesoftware.compass&hl=en&gl=US, accessed 2026-11-05
- **Q5** (3): Contains ads; in-app purchases not mentioned on the page; an independent review lists a pro version at $2.49. (paraphrase) https://play.google.com/store/apps/details?id=com.fulminesoftware.compass&hl=en&gl=US, accessed 2026-11-05
- **Q6** (1): Languages and accessibility features not stated on the page extract. (paraphrase) https://play.google.com/store/apps/details?id=com.fulminesoftware.compass&hl=en&gl=US, accessed 2026-11-05
- **Q7** (2): Updated on Aug 30, 2025; What's new says Android 5.x versions are no longer supported. (data point) https://play.google.com/store/apps/details?id=com.fulminesoftware.compass&hl=en&gl=US, accessed 2026-11-05
- **Q8** (3): Third-party sharing of location and app activity is disclosed in Data safety; no conflicting claim found. (paraphrase) https://play.google.com/store/apps/details?id=com.fulminesoftware.compass&hl=en&gl=US, accessed 2026-11-05

Android: Compass: Accurate Compass

- **Q1** (3): Offers magnetic and true north options; a user review says there is a calibration option; the description does not describe the method. (paraphrase) https://play.google.com/store/apps/details?id=apps.r.compass&hl=en&gl=US, accessed 2026-11-05
- **Q2** (4): 4.5 stars, 56.3K reviews, 5M+ downloads (data point) https://play.google.com/store/apps/details?id=apps.r.compass&hl=en&gl=US, accessed 2026-11-05
- **Q3** (3): Description says crucial navigation tools can be accessed without an internet connection; account requirement not stated. (paraphrase) https://play.google.com/store/apps/details?id=apps.r.compass&hl=en&gl=US, accessed 2026-11-05
- **Q4** (3): Data safety: may share device or other IDs with third parties; No data collected. (paraphrase) https://play.google.com/store/apps/details?id=apps.r.compass&hl=en&gl=US, accessed 2026-11-05
- **Q5** (2): Contains ads: Yes; in-app purchases: Yes; a review says ads can be removed with a Premium version with a free trial. (paraphrase) https://play.google.com/store/apps/details?id=apps.r.compass&hl=en&gl=US, accessed 2026-11-05
- **Q6** (1): Languages and accessibility features not stated on the page extract. (paraphrase) https://play.google.com/store/apps/details?id=apps.r.compass&hl=en&gl=US, accessed 2026-11-05
- **Q7** (2): Updated on Apr 10, 2025 (data point)

https://play.google.com/store/apps/details?id=apps.r.compass&hl=en&gl=US, accessed 2026-11-05

- **Q8** (3): Description uses promotional wording about accuracy; Data safety discloses possible device ID sharing; no conflicting claim found. (paraphrase) https://play.google.com/store/apps/details?id=apps.r.compass&hl=en&gl=US, accessed 2026-11-05

Android: Compass - Offline & Accurate

- **Q1** (4): Description says it works offline with no GPS or internet required and to calibrate by moving the device in a horizontal figure-8 motion. (paraphrase) https://play.google.com/store/apps/details?id=studios.applab.compass&hl=en&gl=US, accessed 2026-11-05
- **Q2** (1): No star rating or review count shown; 50K+ downloads; accuracy described only as accurate direction tracking. (data point) https://play.google.com/store/apps/details?id=studios.applab.compass&hl=en&gl=US, accessed 2026-11-05
- **Q3** (5): Description says it works offline, no GPS or internet required, and no login. (paraphrase) https://play.google.com/store/apps/details?id=studios.applab.compass&hl=en&gl=US, accessed 2026-11-05
- **Q4** (1): Data safety: location, app activity and 2 other types are both shared with third parties and collected. (paraphrase) https://play.google.com/store/apps/details?id=studios.applab.compass&hl=en&gl=US, accessed 2026-11-05
- **Q5** (3): Contains ads; description says every feature is at no cost, with no trials and no hidden upgrades. (paraphrase) https://play.google.com/store/apps/details?id=studios.applab.compass&hl=en&gl=US, accessed 2026-11-05
- **Q6** (1): Languages and accessibility features not stated on the page extract. (paraphrase) https://play.google.com/store/apps/details?id=studios.applab.compass&hl=en&gl=US, accessed 2026-11-05
- **Q7** (5): Updated on Oct 15, 2026 (data point) https://play.google.com/store/apps/details?id=studios.applab.compass&hl=en&gl=US, accessed 2026-11-05
- **Q8** (1): Description says no tracking and completely private, while Data safety lists location and app activity as collected and shared with third parties. (paraphrase) https://play.google.com/store/apps/details?id=studios.applab.compass&hl=en&gl=US, accessed 2026-11-05

Android: Compass

- **Q1** (3): Description says to calibrate by moving the device in a figure-eight motion several times and shows magnetic field strength guidance of 30 to 60 microtesla. (paraphrase)

https://play.google.com/store/apps/details?id=app.kiwwi.compass2&hl=en&gl=US, accessed 2026-11-05

- **Q2** (2): 5.0 stars from 79 reviews, 10K+ downloads (data point) https://play.google.com/store/apps/details?id=app.kiwwi.compass2&hl=en&gl=US, accessed 2026-11-05
- **Q3** (2): Offline use is not mentioned in the description; account requirement not mentioned. (paraphrase) https://play.google.com/store/apps/details?id=app.kiwwi.compass2&hl=en&gl=US, accessed 2026-11-05
- **Q4** (2): Data safety: device or other IDs may be shared with third parties, while the developer also declares No data collected. (paraphrase) https://play.google.com/store/apps/details?id=app.kiwwi.compass2&hl=en&gl=US, accessed 2026-11-05
- **Q5** (2): Contains ads: Yes; in-app purchases: Yes; price not stated. (data point) https://play.google.com/store/apps/details?id=app.kiwwi.compass2&hl=en&gl=US, accessed 2026-11-05
- **Q6** (1): Languages and accessibility features not stated on the page extract. (paraphrase) https://play.google.com/store/apps/details?id=app.kiwwi.compass2&hl=en&gl=US, accessed 2026-11-05
- **Q7** (5): Updated on Sep 3, 2026 (data point) https://play.google.com/store/apps/details?id=app.kiwwi.compass2&hl=en&gl=US, accessed 2026-11-05
- **Q8** (2): Data safety says both that device IDs may be shared with third parties and that no data is collected, which is internally inconsistent. (paraphrase) https://play.google.com/store/apps/details?id=app.kiwwi.compass2&hl=en&gl=US, accessed 2026-11-05

Cite

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