A faint, light gray map of Southeast Asia and Australia is visible in the background. The map shows the outlines of the landmasses, including the Malay Peninsula, the Indonesian archipelago, and the continent of Australia. The text is centered over the map.

How to Choose a Navigation System

CONTENT

- What is Bluetooth, LAN, Wireless, Mobile, GPS
- Overview of some of the Apps available
- How different apps work
- Software cost
- Hardware requirements and cost
- Which Platform
- Pros & Cons
- Supported map types
- Map sources, free and paid.



APPS AND PLATFORMS



Hema HX-1 Navigator: On & Off-road GPS



GAIA GPS

Explore the Map

OziExplorer
GPS Mapping Software



Hema

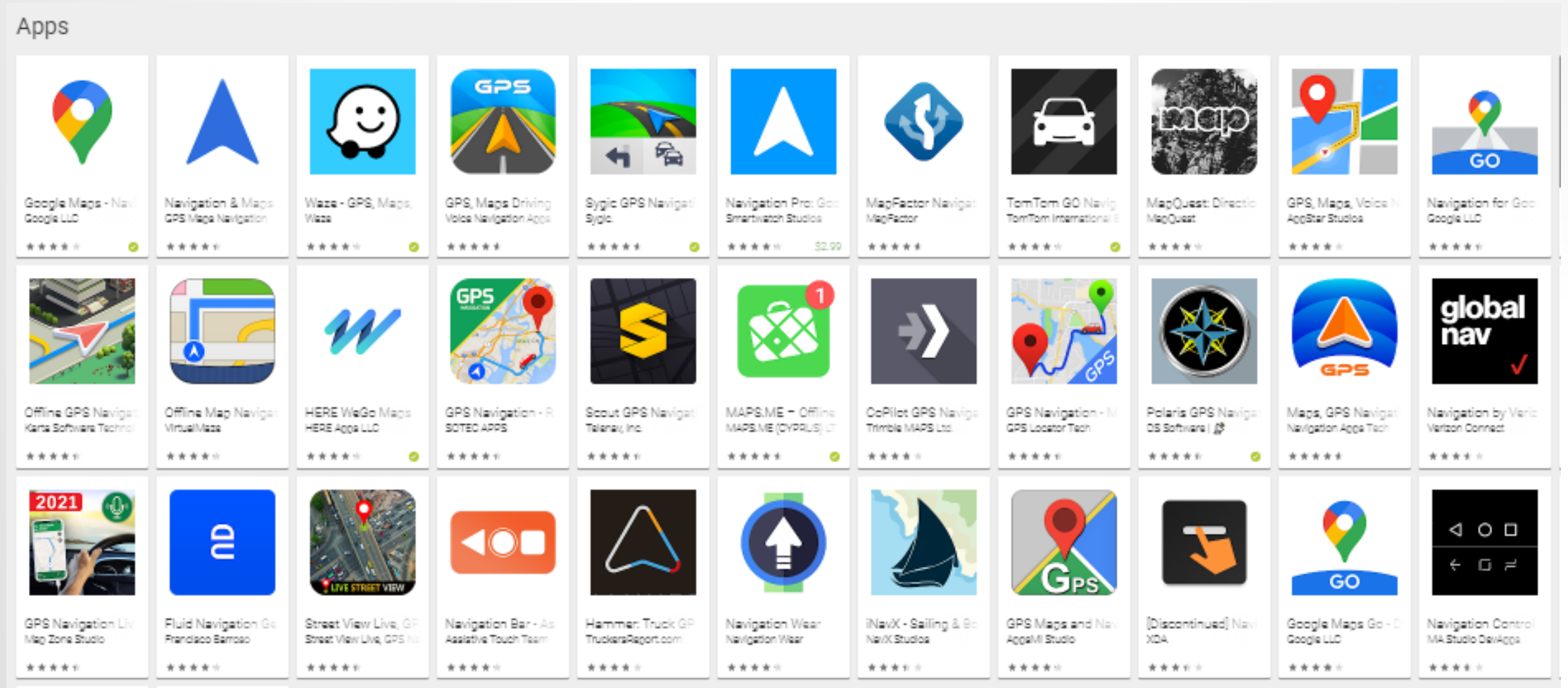


I'M ON WIFI BUT I CAN'T CONNECT!!!

- What are the different types of network connections
 - Bluetooth – local, device to device, wireless
 - LAN – local, device to network, wired or wireless
 - Mobile – phone network dependent, worldwide
 - GPS – GPS module required in device, location data only, worldwide

APPS AND PLATFORMS

GOOGLE PLAY STORE SAMPLES



HOW DIFFERENT APPS WORK

- Why do some apps tell you where to go and others you have to tell the app where to go?
- Turn by Turn
 - Usually requires mobile connection
 - Put in a destination and it works it out for you.
 - Common apps are Google maps, Apple maps, Here maps
- Moving Map
 - Offline
 - Car is stationary on the screen and the map moves below it
 - Common apps are Hema, ExplorOz, OziExplorer

SAMPLE SOFTWARE COSTS



- | | |
|---------------------------------------|---------|
| • OziExplorer PC version | \$130 |
| • OziExplorer Android | \$32 |
| • ExplorOz Traveller App per platform | \$60 |
| • ExplorOz EOTopo map | \$50 |
| • Hema HX-2 Navigator | \$749* |
| • Hema 4x4 Explorer app | \$50 |
| • Hema Maps via subscription | \$75/yr |

* includes tablet hardware

SAMPLE HARDWARE COSTS

- Apple iPad (9th) 256GB 10" Wi-Fi + Cellular \$ 929
- Samsung Galaxy Tab S8 10'' Wi-Fi 128GB \$1499
- Samsung Galaxy Tab A8 10.4" Wi-Fi 64GB \$ 449
- Generic eBay Special 10.1" Android 9.0 8+128G \$ 150
- SanDisk Ultra Plus microSDXC 256GB \$79
- Windscreen mount – Proper (RAM Brand) \$100
- Windscreen mount – Dud \$15

PLATFORMS

- Apple iPad or Android tablet
- Apple or Android Phone
- PC (bluetooth GPS required)
- Car Head Unit
- Apple Carplay and Android Auto
- Mirror Link



PROS & CONS

Software	Pro	Con
OziExplorer	Feature rich Low cost Flexible Unlimited Map Sources Australian made Fully Customizable	Limited support End of development Complex No Google Playstore
ExplorOz	Local Product Good support Excellent map Turn by Turn	One map only Australia only
Hema	Well know Good map source Cloud support Hardware included	Support starting to lag High cost* Australia only
Google Maps or Here Maps	Universal Cloud based Turn by turn Business & Address Search	Must download map Limited flexibility No Support One map only

IMPORTANCE OF MAP VARIETY

A faint, light gray map of Southeast Asia and Australia is visible in the background of the slide. The map shows the outlines of the landmasses, including the Malay Peninsula, the Indonesian archipelago, and the continent of Australia.

- Flexibility in the application
- No map has everything
- Free or paid
- Difference in detail show
- Large or Small Scale
- Updates available
- MOBAC

MAP SOURCES

- Hema Maps
- Getlost Maps
- ExplorOz
- Westprint
- Geoscience Australia
- Dept of Mines - Geological
- Dept of Transport – Marine Charts
- Scanned images
- Satellite Images



SUMMARY

- What platform are you most at home with
- Where are you going
- Are you technical
- What do you want to spend
- How often are you using it
- In car, on dash or portable



