



HYFIX
SPATIAL INTELLIGENCE

Triple-Band GNSS Base-Station

APPLICATION SUMMARY:

- Connect to the World's Largest Decentralized Geo-Spatial Reference Network - GEODNET
- High Performance Triple-Band GEODNET Station, Triple-Band Mines at Up to 2x the Rate of a Dual-Band MobileCM
- Triple-Band GNSS Receiver and RTK Base-station Tracks Real-Time Space Weather. No RF Emissions from GNSS.
- <2W Power Consumption
- Easy to Install Roof Mount Antennae, Connect to GNSS+ Port



Block Diagram:



1. Install MobileCM™ Base
2. Connect to WiFi
3. GEODNET Blockchain

Specification:

Triple-Band Geodetic Grade GNSS Receiver	
GNSS	
Channels	Over 1000 Tracking Channels
GPS/QZSS	L1C/A, L1C, L2P (Y), L2C, L5
Galileo	E1, E5a, E5b
Glonass	L1, L2
BeiDou	B1I, B2I, B3I, B1C, B2a, B2b
WiFi NTRIP Server & Gateway	
ESP32-WROOM-32	
WiFi	2.4GHz (802.11 b/g/n)
Bluetooth	Bluetooth 4.2, Class 1,2, and 3 Transmitter
Geodnet Configuration	
WebUI	Easy Internet & Mining Configuration
Data Upload	WiFi
Direct RTCM Output	USB-C
Firmware Upgrade	OTA, USB-C & Command Line Utility
Physical & Electrical	
Size & Weight	4.0" x 3.5" x 1.2", 1lb.
Power	<2W, USB-C

Ordering Information:

Model	Description
MGW200	MobileCM™ Triple-Band GNSS Base-Station, Bluetooth/WiFi

Ready-to-Use GEODNET Base-station:

MobileCM™ includes easy to mount triple-band GNSS antennae and all necessary hardware. Also included is a USB-C power cable, two 2.4GHz Bluetooth/WiFi whip antennae. Directly connects to Geodnet: <https://geodnet.com> Zero RF Emissions from GNSS Antennae.



Example Roof Install of GNSS Antennae

Mines GEOD Token:

The MobileCM™ base-station and gateway outputs geodetic-grade real-time data is certified to work on the GEODNET Network.

Optional NTRIP for Local RTK:

MobileCM™ has an easily configured NTRIP Server running on the embedded ESP32 WiFi Module. RTCM data is uploaded via WiFi.

About HYFIX.AI:

HYFIX provides simple easy-to-use precise positioning solutions.

mike@hyfix.ai – <https://hyfix.ai>



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