



Petrics Smart Collar with GPS, PC-200GPS



Description: The Petrics PC-200GPS Smart Pet collar is a multifunctional device; collects all pet activity is a connected scale, automatically identifying the pet to all other Petrics devices, like the scale, and the PC-200GPS has 3 other unique features;

1. The PC-200GPS collar can connect to your cell phone or the scale to get the pet data to the cloud via Bluetooth.
2. The PC-200GPS has GPS allowing the pet owner to “fence” their yard electronically and exactly to 0.5m accuracy, and alarm on your phone when the pet is outside the e-fence on your Petrics App. The collar periodically locates the pet based on user settings to optimize battery life.
3. The PC-200GPS allows the owner to locate their pet anywhere in the world, even if there are no cell phones in the area. And it works with any smartphone, iPhone or Android. Ideal for camping, hunting or just out of for a walk in the woods.

Features/Specifications

- Module Dimensions: 3.5mm x 7.5mm x 1.8mm.
- Waterproof, IP68
- Mounting – quick release for magnetic adapter charging
- Battery: Lipo battery 3.7v-400mA Ref:602035
- Battery-Backed I2C Real-Time Clock/Calendar with SRAM
- 6-axis, smart, low-power Inertial Measurement Unit for high-performance applications
- Integrated Charger IC Lithium Ion/Polymer
- Offline storage of pets activity. Up to 1 week of record then overwrites oldest data.
- Pet presence detection . Up to 100m
- Smart activity detection powered by AI model, Still, Walk’ Run, Jump, Other activities will be updated.
- 1 month of battery life (rechargeable)
- Compact and light design
- Compatible with Find My Apple Network
- Operating ambient temperature: -20° to 60° C
- Live Location, real time location of your pet in a map . Up to two GNSS constellations
- Fencing, create custom location map for your pet with live alarm notification when crossed

BT Module:

- Module Reference: BMD-340-A-R
- Utilized IC / Part: nRF52840



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- RF Family/Standard: 802.15.4, Bluetooth
- Protocol: Bluetooth v5.0, Thread, Zigbee®
- Frequency: 2.36GHz ~ 2.5GHz
- Sensitivity: 96dBm

TX/ RX Module for Cellular, Navigation module

- Utilized IC / Part: Quectel BG95M3LA-64-SGNS
- Protocol: BeiDou, EGDE, Galileo, GLONASS, GPS, GNSS, GSM, LTE
- Frequency: 850MHz, 900MHz, 1.8GHz, 1.9GHz
- Data Rate: 1.119Mbps
- Power - Output: 21dBm
- Frequency Bands :
- Cat M1: B1/B2/B3/B4/B5/B8/ B12/B13/B18/B19/ B20/B25/B26/B27/ B28/B66/B85 Cat NB2:
- B1/B2/B3/B4/B5/B8/ B12/B13/B18/B19/ B20/B25/B28/B66/ B71/B85

Certifications:

BLE FCC ID number: 2AA9B10Europe (ETSI RED); US (FCC/CFR 47 part 15 unlicensed modular transmitter approval);Canada (ISED RSS); Australia and New Zealand (RCM); Health and safety EN 62479, EN62368-1