

AM120 Track & Trace Module - An Introduction



Main Features

- State-of-the-Art Technology
 - Motorola G24 quad band module (class-B)
 - Navman Jupiter 20S (high sensitivity)
- Six Communication Ports
- Flexible Configuration & Operation
- Standard Hands Free Voice Prepared
- Backup Battery (1.7Ah/3.6V Li-Ion)
- Report logging up to 12000 reports
- RoHS compliant (green)
- M110 backward compatible

Inside the AM120 - functionality

- Sensitive Accelerometer (X/Y dimension)
- Ultra Low Power Processor
- Battery Charger & Power Management
- Six high voltage protected inputs (digital/analogue)
- Operating voltage 12-42V, load dump protected
- Two Opto Steady State Relay Outputs (50V/800mA)
- Extension Slot (Bluetooth, RFID, etc.)
- Hardware Boot Switch
- SIM Card Holder

Connecting the AM120

- SMA antenna connectors (GSM & active 3.3V GPS)
- Microphone signal conditioned standard input
- Class-D Audio Power Amplifier output (1.4W @ 4Ω)
- Robust Phoenix Connector – 14 Pins
 - Inputs: Ignition, Counter, 4 digital/analogue
 - Outputs: Dual Pole Optical Steady State Relays (50V / 800mA)
 - Power: main supply 12/24/42V systems, direct battery In/Out
- COM1 & COM2: full duplex RS232, RTS/CTS, 1.2-115k bps
- RJ45: RS232, iButton, Reset, direct NMEA (9600bs)