

# MGS500

## TECHNICAL SPECIFICATIONS



### COMMUNICATION

- 3G HSPA
- Air interfaces: HSPA, HSPDA, EDGE, GPRS and GSM
- Frequency: UMTS/HSDPA/HSUPA 800/850/1900/2100 MHz
- Bands: EDGE/GPRS/GSM 850/900/1800/1900 MHz
- SIM: Internal, replaceable, 1.8V Remote PIN code management
- Antenna: External multi-band GSM antenna

### GPS

- GPS Receiver: 50 Channel L1 C/A code, WAAS/SBASS
- Sensitivity: -160dBm -143dBm Cold Start (un-aided)
- Horizontal accuracy: 2.5m, 2.0m, SBAS (CEP 50%)
- Time-to-first-fix: 32s (@-130dBm, Cold start)

### INPUTS & OUTPUTS

- Digital Outputs: 13 (7 hi, 6 low)
- Analog Input: 1
- Relay Drive Outputs: 4
- Serial Ports: 3
- Ethernet Port: 1 (10/100 MDI-X)
- Switched 12v output: 2 (1.2A max. each)
- LED drive Output: 1
- 1-Wire Port: Dallas iButton and Temp Sensors
- Status LED's: GPS and Cellular

### WARRANTY

- Hardware: 3 years

### INTERFACES

- 3D Accelerometer: Movement detection
- MMI: 2 LED status indication
- Connectors: 6 pin 3mm Molex, Automotive

### POWER

- Input voltage: 8 to 30V DC
- Full operating mode: < 100mA at 12V DC
- Active standby: 10mA at 12V DC
- Sleep mode: < 1mA at 12V DC

### DIMENSIONS & WEIGHT

- Dimensions: 5.5 x 5 x 1 inches, 140 x 127 x 25mm
- Weight: 12 ounces / 340 grams

### ENVIRONMENT

- Operating Voltage: 8 to 30v DC
- Operating: <150mA @ 12V DC
- Standby: 17mA @ 12V DC
- Sleep: <2mA @ 12V DC

### DEVICE DATA SETTINGS

- Default: snapshot every 2 minutes data transmission every 6 minutes