



Btracking Part No.		BTL2630
Cell Network		
LTE CAT M1 w/ 2G	2100 (B1)/1900 (B2)/1800 (B3) AWS 1700 (B4)/850 (B5/B26)/900 (B8)/700 (B12/B13/B28)/800 (B18/B19/B20)/1900 (B39/B25) MHz	
2G GSM/GPRS	850/900/1800/1900 MHz	
LTE CAT 1 w/ 3G	1900 (B2)/AWS 1700 (B4)/850 (B5)/700 (B12)	
3G HSPA/UMTS	850 (V)/1900 (II)	
Satelite Location (GNSS)		
Constellation Support	Hybrid GPS, SBAS engine (WAAS, EGNOS, MSAS)	
Channels	31 Channel GPS	
Tracking Sensitivity	-162 dBm	
Acquisition Sensitivity		
Cold Start	-148 dBm	
Hot Start	-156 dBm	
Location Accuracy	2.0m CEP Open Sky (SBAS 24 hours static)	
Location Update Rate	Up to 4 Hz	
Anti-Jamming	N/A	
AGPS Location assistance capable	Y	
Comprehensive I/O		
Ignition Inputs	1 fixed bias	
Digital Inputs	4 (high/low bias selectable 0-32 VDC)	
Digital Outputs	4 (high/low bias selectable 0-32 VDC)	
Analog Inputs	1 (external ADC input 0-32 VDC)	
Accelerometer	Built in, triple-axis (driver behavior, impact detection, motion sensing, tilt detection)	
Serial Interface	1 TTL Port multiplexed on Input 2, Output 2	
1-Wire Interface	N/A	
Status LEDs	2 (GPS and cellular)	
Certifications		
FCC	Y	
CE	N	
IC	Y	
PTCRB	Y	
ROHS	Y	
Electrical		
Operating Voltage	12/24 VDC Vehicle Systems 9-30 VDC (Start-up, Operating) 7-32 VDC (Momentary)	
Power Consumption	Typical <3 mA @ 12V (Deep Sleep) Typical 25mA @ 12 V (radio-active sleep) Typical 50mA @ 12 V (GPS tracking and cell idle)	
Battery Pack		
Battery Capacity	Up to 1000 mAh	
Battery Technology	Lithium-Ion	
Charging Temperature	0° to +45° C	
Environmental		
Temperature	-30° to +60° C (Connected to Primary Power) -10° to +60° C (Operating on Internal Battery) -20° to +25° C ≤ 6 months (long term storage with battery)	
Humidity	95%RH @ 50° C non-condensing	
Shock and Vibration	U.S. Military Standards 202G, 810F, SAE J1455	
ESD	IEC 61000-4-2 (4KV test)	
Ingress Protection Rating	N/A	
Physical		
Dimensions	3.7 x 2.0 x 0.8" 94 x 53 x 20 mm	
Weight	2.8 oz. (80 g) (w/ 1000 mAh Battery)	
Connectors/SIM Access		
Power, I/O	20-Pin 3mm Pitch	
GPS Antenna	Internal	
Cellular Antenna	Internal	
SIM Access	Internal (2FF SIM)	



Additional Details Summary	
Hardware	
GPS, high sensitivity	Y
Processor	32 bit
Serial Ports	2
ECM Data (Hvy Duty J1939/J1708)	Ext Option (future)
ECM Data (Light Duty OBDII)	Ext Option
Inputs (digital and includes ignition)	5
A/D Inputs	1 internal / 1 ext
Input bias control	Y
Outputs	3
iButton / Driver ID (1 bit protocol)	Y
Temp sensor - (1 bit protocol)	Y
Vehicle Power	12 & 24v
Non-volatile Memory	Y
Serial Data Support	Y
Programmable 3 Axis Accelerometer	Y
Ext Wiring Harness Options	Y
Internal Antenna Option	Y
External Antenna Option	Y
Water resistant enclosure	N
Variable Sleep Modes	Y
Communication Options	
SMS	Y
GPRS	Y
HSDPA/HSUPA	Y
LTE	Y
WiFi	N
Bluetooth	Ext Option
Satellite	Ext Option
Firmware	
Logged locations	20000
<i>Peripheral Support</i>	
User Msgs(MDT, Txt, SMS,etc)	Y
Garmin Messaging	Y
NMEA (via serial)	Y
Dial-Up Networking	N
<i>Configuration</i>	
OVER-THE-AIR Firmware	N
OVER-THE-AIR Configuration	
via SMS	Y
via PULS	Y
via LMU Manager	Y
<i>PEG Features</i>	
PEG Event Lines	500
Accumulators	32
Timer timeouts	32
De-bounce delays (Inputs)	1 per input
Max Speed Thresholds	4
Time - Distance reporting	4
A/D Thresholds	4
A/D accumulators	Y
<i>Geo-Fence</i>	
Rectangle or radial zone	32
Radial Zones or Vertices	5400
Radial Zones or Vertices	N