



Btracking Part No. Cell Networks	BTL3640
LTE:	B12/B17(700), B5(850), B4(AWS1700), B2(1900)
HSPA/UMTS:	B2(1900) B5(850)
Satelite Location (GNSS)	11(100) 10(100)
Constellation Support	Hybrid GPS, GLONASS, SBAS engine (WAAS, EGNO
Channels	MSAS) 55 Channel GPS
Tracking Sensitivity	-167 dBm
Acquisition Sensitivity	107 45
Cold Start	-148 dBm
Hot Start	-157 dBm
Location Accuracy	2.0m CEP Open Sky (SBAS 24 hours static)
Location Update Rate AGPS Location assistance capable	Up to 4 Hz Y
COMPREHENSIVE I/O	
gnition Inputs	1 fixed bias
Digital Inputs	4 (high/low selectable 0-30 VDC)
Digital Outputs	3 (open collector relay 150 mA)
Analog Inputs 1-Wire Interface	2 External ADC Inputs
Power Outputs	1 (driver ID/temperature sense) 1 Switched VIN
Status LEDs	4 (GPS, Cellular, VBUS, LAN)
Serial Interface	2 TTL Ports
ntegrated Buzzer	Programmable audible alert
External ADC Inputs	2 (reference voltage - 3.3V)
Accelerometer	Built in, triple-axis (driver behavior, impact
CERTIFICATIONS	detection, motion sensing, tilt detection)
-cc	Υ
CE	N
C	Υ
PTCRB	Y Y
ROHS ELECTRICAL	*
	12/24 VDC Vehicle Systems
Operating Voltage	9-30 VDC (start-up, operating)
	7-32 VDC (momentary) Typical 450uA @ 12 V (deep sleep)
	Typical 15mA @ 12 V (radio-active sleep)
Power Consumption	Typical 100mA @ 12 V (active tracking with GP:
	and cell enabled)
Battery Pack	Ha to 1000 mAH
Battery Capacity Battery Technology	Up to 1000 mAH Lithium-lon
Charging Temperature	0° to +45°C
ENVIRONMENTAL	
Геmperature	-30° to +75° C (connected to primary power)
	-10° to +60° C (operating on internal battery)
	-20° to +25° C ≤ 6 months (long term storage wit battery)
Humidity	95% R.H. @ 50° C non-condensing
Shock and Vibration	U.S. Military Standards 202G
ESD	IEC 61000-4-2 (4KV test)
ngress Protection Rating	N/A
PHYSICAL	5.7 x 2.1 x 1.3"
Dimensions	145 x 53 x 33 mm
Weight	5 oz (142g)
CONNECTORS, SIM ACCESS	46 Pin 2 year Pitak
Vehicle BUS I/F Power, I/O	16-Pin 3mm Pitch 24-Pin 3mm Pitch
SIM Access	Internal (2FF SIM)
External Cellular	N/A
GPS Antenna	N/A
INTERFACE STANDARDS	
Bluetooth	Classic Bluetooth v2.1+EDR and BLE v4.0
Heavy Duty Truck Data	J1708, J1939 J1850 PWM, J1850 VPW, SW-CAN ISO 9141-2, KW
Light Duty Vehicle Data	2000, ISO 15765 CAN
WiFi	
PRODUCT OPTIONS	
	RS-232 on Aux 2

RS-232 on Aux 2 I/O wiring harness 200mAh Lithium-Ion backup battery Wi-Fi 802.11 a/g/b/n client mode





Additional Details Summary	
Hardware	
GPS, high sensitivity	Υ
Processor	8 bit
Serial Ports	1
ECM Data (Hvy Duty J1939/J1708)	N
ECM Data (Light Duty OBDII)	N
Inputs (digital and includes ignition)	3
A/D Inputs	2 internal / 1 ext
Input bias control	Υ
Outputs	3
iButton / Driver ID (1 bit protocol)	N
Temp sensor - (1 bit protocol)	N
Vehicle Power	12 & 24v
Non-volatile Memory	Υ
Serial Data Support	Ltd
Programmable 3 Axis Accelerometer	Motion/Tilt
Ext Wiring Harness Options	Y
Internal Antenna Option	Y
External Antenna Option	Future
Water resistant enclosure	N
Variable Sleep Modes	Y
Firmware	
Logged locations	20000
Peripheral Support	
User Msgs(MDT, Txt, SMS,etc)	Υ
Garmin Messaging	Υ
NMEA (via serial)	Υ
Dial-up Networking	Υ
Dial-up Networking Configuration	Υ
Configuration	Y Y
Configuration OVER-THE-AIR Firmware	·
Configuration OVER-THE-AIR Firmware OVER-THE-AIR Configuration	·
Configuration OVER-THE-AIR Firmware	Y
Configuration OVER-THE-AIR Firmware OVER-THE-AIR Configuration via SMS via PULS	Y Y
Configuration OVER-THE-AIR Firmware OVER-THE-AIR Configuration via SMS	Y Y Y
Configuration OVER-THE-AIR Firmware OVER-THE-AIR Configuration via SMS via PULS via HUU Manager PEG Features	Y Y Y
Configuration OVER-THE-AIR Firmware OVER-THE-AIR Configuration via SMS via PULS via LMU Manager	Y Y Y Y
Configuration OVER-THE-AIR Firmware OVER-THE-AIR Configuration via SMS via PULS via LMU Manager PEG Features PEG Event Lines Accumulators	Y Y Y Y 1250
Configuration OVER-THE-AIR Firmware OVER-THE-AIR Configuration via SMS via PULS via LMU Manager PEG Features PEG Event Lines Accumulators Timer timeouts	Y Y Y Y 1250 128 128
Configuration OVER-THE-AIR Firmware OVER-THE-AIR Configuration via SMS via PULS via LMU Manager PEG Features PEG Event Lines Accumulators Timer timeouts De-bounce delays (Inputs)	Y Y Y Y 1250
Configuration OVER-THE-AIR Firmware OVER-THE-AIR Configuration via SMS via PULS via LMU Manager PEG Features PEG Event Lines Accumulators Timer timeouts De-bounce delays (Inputs) Max Speed Thresholds	Y Y Y Y 1250 128 128 1 perinput
Configuration OVER-THE-AIR Firmware OVER-THE-AIR Configuration via SMS via PULS via LMU Manager PEG Features PEG Event Lines Accumulators Timer timeouts De-bounce delays (Inputs)	Y Y Y Y 1250 128 128 1 per input 4
Configuration OVER-THE-AIR Firmware OVER-THE-AIR Configuration via SMS via PULS via LMU Manager PEG Features PEG Event Lines Accumulators Timer timeouts De-bounce delays (Inputs) Max Speed Thresholds Time - Distance reporting	Y Y Y Y 1250 128 128 1 perinput 4
Configuration OVER-THE-AIR Firmware OVER-THE-AIR Configuration via SMS via PULS via LMU Manager PEG Features PEG Event Lines Accumulators Timer timeouts De-bounce delays (Inputs) Max Speed Thresholds Time - Distance reporting A/D Thresholds	Y Y Y Y 1250 128 128 1 per input 4 4 4
Configuration OVER-THE-AIR Firmware OVER-THE-AIR Configuration via SMS via PULS via LMU Manager PEG Features PEG Event Lines Accumulators Timer timeouts De-bounce delays (Inputs) Max Speed Thresholds Time - Distance reporting A/D Thersholds A/D accumulators Geo-Fence	Y Y Y Y 1250 128 128 1 per input 4 4 4
Configuration OVER-THE-AIR Firmware OVER-THE-AIR Configuration via SMS via PULS via LMU Manager PEG Features PEG Event Lines Accumulators Timer timeouts De-bounce delays (Inputs) Max Speed Thresholds Time - Distance reporting A/D Thresholds A/D accumulators	Y Y Y Y 1250 128 128 1 per input 4 4 4
Configuration OVER-THE-AIR Firmware OVER-THE-AIR Configuration via SMS via PULS via LMU Manager PEG Features PEG Event Lines Accumulators Timer timeouts De-bounce delays (Inputs) Max Speed Thresholds Time - Distance reporting A/D Thresholds A/D accumulators Geo-Fence Rectangle or radial zone	Y Y Y Y 1250 128 128 1 per input 4 4 4 4 Y