CT-X8 CONTAINER TRACKER

Features

- Easy to assemble
- Robust structure – galvanized steel
- Spray coating against rust
- Store and resend up to 50,000 locations
- IP-67 rated casing
- Direct charging port
- Anti-theft function
- Tamper sensor (seal cable)
- Magnetic mount for strong fixture

Specifications

MECHANICAL & ENVIRONMENTAL CHARACTERISTICS		
Physical Characteristics		
Unit Size (L x W x H)	355 x 55 x 50 mm (±1mm)	
Weight	1660 g (±10g)	
Material	Galvanized steel with plastic casing	
Waterproof Casing	IP-67 waterproof standard	
Environmental Characteristics		
Operational Temperature	-20℃ ~ +60℃ (board temperature)	
Storage Temperature	-40℃ ~ +85℃	
NOTE: Battery has individual operational and storage temperature limitations!		
General Characteristics		
GPIO	Tamper Loop	
	Tamper Switch	
3-Axis Accelerometer	±16G (default)	
Electrical Characteristics		
Power Input	+4.2 Volt DC regulated via charger port	
Built-in Power Filter and Short Circuit Protection	YES	
Battery Characteristics		
Backup Power	Li-Ion Cell Battery – 3.7V / 10000mAh	
Battery Temperature Limitation	Operation Temp.	-20℃ ~ +60℃
	Storage Temp.	-20℃ ~ +35℃

Additional Characteristics	
Battery Charger	AC from +100V ~ +240V
Button / Switch	Power Button
	Tamper Switch
Tamper Sensor	Seal Cable

GPS SPECIFICATIONS	
General	
Frequency	L1, 1575.42 MHz
C/A Code	1.023 MHz chip rate
Channels	20 parallel channels
Accuracy	
Position	10m, 2D RMS
	5m, 2D RMS, WAAS corrected
	< 5m (50%), DGPS corrected
Velocity	0.1m / sec
Time	1 sec synchronized to GPS time
Datum	
Default	WGS-84
Time to First Fix (TTFF)	
Cold Start	37 sec
Warm Start	34 sec
Hot Start	1.5 sec
Dynamic Conditions	
Altitude	18,000m (60,000 ft.) above sea level, max
Acceleration	4G, max
Velocity	515m/sec (1000 knots), max
Jerk	20m/sec, max

GSM SPECIFICATIONS

Frequency Bands	Quad-Band : GSM850 / GSM900 / GSM1800 / GSM1900
Maximum RF Power	GSM850 / EGSM900 Class4 (2W)
	GSM1800 GSM1900 Class1 (1W)
Receiving Sensitivity	GSM850 / GSM900 < -104dBm
	GSM 1800 / GSM 1900 -102dBm ~ -104dBm
SIM Interface	Standard SIM interface (3V/1.8V)
GPRS Data Transmission	GPRS Class 10
	Coding scheme CS 1, CS 2, CS 3, CS 4
	Maximum transmission speed : 85.6 Kbit/s
	Support PBCCH
	Built-in TCP/IP protocol. Support multi-slot, ACK response, support large memory buffer
CSD Service	Support CSD data transmission up to 9600 bit/s
	Fax support : Group 3, Class 1.0
	Support USSD