

Pelican

Mobile Track and Trace Solutions

APPLICATIONS

- Asset Tracking
- Vehicle Tracking
- Telemetry
- Industrial/Health Monitoring
- AMR

KEY FEATURES

- Indoor /Outdoor Tracking
- CDMA & GSM/GPRS & HSPA
- Battery life upto 1 year w/ Hibernate mode
- Multiple I/O for intelligent control
- Store & Forward/Expandable Memory
- OTA configuration of Parameters
- Open SDK for customization
- Built in Motion sensor
- Optional Zigbee/LCD/Fuel/Temp Sensors
- Expandable/External battery support
- Optional Temperature/Fluid/Ignition sensors
- SoS/Emergency button



Pelican...Latest in Tracking Technology

The Pelican family of mobile tracking products from Nimble Wireless incorporates the latest in CDMA 1x/GSM/GPRS/HSPA and GPS technology in a compact form factor. The Standalone, Simultaneous and MS-Assisted /based modes of GPS offer flexibility in tracking time/ accuracy vs cost. Pelican family of products can be used in multiple applications including AMR, AVL, Telemetry, Asset Monitoring/tracking, theft recovery etc.

Intelligent Power Management

Pelican family features intelligent power management that extends battery life up to a year using Hibernate mode. This long battery life makes it possible to track remote assets for a long time with minimal maintenance cost.

Intelligent Interfaces

Pelican family features multiple I/O options including up to 10 digital I/Os and 1 analog input to enable external event monitoring and control. Optional Motion /Temperature/Fluid sensors make Pelican a logical choice for your customized M2M tracking or Telemetry application. Zigbee support is also available for AMR/AMI applications.

Serviceability

To reduce maintenance and total cost of ownership, Pelican family features over the air configuration of all parameters, modem firmware update and diagnostics.

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Pelican

Specifications[#]

PHYSICAL DIMENSIONS

Y10: 113 x 63 x 31 mm

DATA SPECIFICATION

CDMA 1xRTT - Dual band (US/India 800/
US1900 Mhz) - 153Kbps DL/76.8Kbps UL)
GSM/GPRS Quad Band 850/900/1800/1900 MHz
GPRS Class 10, upto 85.6kbps DL

BATTERY LIFE

Options: Up to 1 Year *

GPS

Antenna: Internal (External options available)
Modes: MS-Assisted/MS-based/Standalone/
Smart Mode

INTERFACE

Host: 3 UARTs/ /I2C/USB
Data Protocols: IPv4, TCP/IP, UDP

CELLULAR NETWORKS

CDMA1xRTT (US Cell/PCS bands)
GSM/GPRS (Quad band support)
HSPA (Quad band GPRS/Tri band HSPA)

ENVIRONMENT

Operating: -10C to +60C
Storage: -20C to +85C
Optional IP66/SAE support

OTA

Over the air modem firmware update and remote
Configuration of tracking parameters

POWER

DC Input: 9– 32V/1.5A
Battery Support: Li-Ion (600-1750mAh)

External Sensors Support

Temperature/Motion/Fluid/Relay sensors & control

CUSTOMIZATION SERVICES

Software and Hardware customization services available

Model	Pelican Y10-C	Pelican Y10-G	Pelican Y10-H
DIMENSIONS	114 x 63 x 31 mm	114 x 63 x 31 mm	114 x 63 x 31 mm
Cellular	CDMA	GPRS	HSPA

Preliminary – subject to change

* Actual battery life depends on network conditions, locate interval and other parameters

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