

Toucan

Mobile Asset Tracking/Monitoring Solutions

APPLICATIONS

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

KEY FEATURES

- Indoor /Outdoor Tracking
- CDMA & GSM/GPRS & HSPA
- Battery life up to 2 years w/ Hibernate mode
- Multiple I/O for intelligent control
- Store & Forward/Expandable Memory
- OTA configuration of Parameters
- Open SDK for customization
- Built in Motion/Temperature sensor (optional)
- Built in Zigbee support (optional)
- Expandable/External battery support
- Optional Temperature/Fluid/Ignition sensors
- SoS/Emergency button



Toucan...Latest in Tracking Technology

The Toucan 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. Toucan family of products can be used in multiple applications including AMR, AVL, Telemetry, Asset Monitoring/tracking, theft recovery etc.

Intelligent Power Management

Toucan 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

Toucan 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 Toucan 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, Toucan family features over the air configuration of all parameters, modem firmware update and diagnostics.

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Specifications[#]

PHYSICAL DIMENSIONS

Y20: 52 x 52x 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, up to 85.6kbps DL

BATTERY LIFE

Options: Up to 2 years *

GPS

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

INTERFACE

Host: UART/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: 5V
Internal Battery: Li-Ion (600-1750mAh)
External: upto 20Ahr Li-Ion/Polymer

External Sensors Support

Temperature/Motion/Fluid/Relay sensors & control

CUSTOMIZATION SERVICES

Software and Hardware customization services available

USA

Nimble Wireless Inc.

1220 Corte Zafiro

San Marcos CA 92069

USA

www.nimblewireless.com

INDIA

Nimble Wireless Pvt. Ltd.

6, Kumaran Colony Main Rd,

Vadapalani,

Chennai – 600 026

INDIA

www.nimblewireless.com

Model	Toucan Y20-C	Toucan Y20-G	Toucan Y20-H
DIMENSIONS	52 x 52 x 31 mm	52 x 52 x 31 mm	52 x 52 x 31 mm
Cellular	CDMA	GPRS	HSPA

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

Preliminary – subject to change

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