SMARTMARK

DURABLE RFID TAGS & LABELS™

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SMARTCAT
RFID CAPITAL ASSET TRACKING
Smartcatrfid.com

SmartCAT™ Asset Tracking System
SC-3A-AL11-01-KITA

SmartCAT™ by William Frick and Company is a handheld, all-in-one RFID-based capital asset management system. The fully programmable SmartCAT app organizes asset data collected on the Windows® Mobile-based ruggedized handheld reader.

In addition to single tag or multiple tag reading of Gen 2 UHF RFID tagged assets up to 40 feet away, the SmartCAT reader also: scans linear or 2D barcodes (Data Matrix, QR, etc.), captures re-al-time GPS coordinates, takes digital photo-graphs,
includes a 3.5" color touch screen and keypad for user input and is Wi-Fi and Bluetooth® ready.

The SmartCAT app is fully programmable. Readers can be configured with greeting message, username / login passwords, multiple asset types, asset-specific surveys and optional, mandatory or drop-down menu data fields.
Up to 250MB of data is locally stored until uploaded via the USB charging stand to the user's PC. Data is exported in universal CSV TEXT format. All data logs are uniquely tagged by reader-name and each asset survey is automatically time-date stamped at the time of collection.

SmartCAT is packaged in a fitted, padded carrying case with storage space for tags, labels and included accessories: USB charging stand, AC power adapter, spare battery, 12V DC portable charging adapter with 6ft. cord, shoulder strap, protective leather cover and QuickStart user guide. The SmartCAT reader comes with a standard three-year warranty. For an extra fee, a three-year

SmartCAT Asset Tracking System

advanced replacement warranty is also available.
The SmartCAT Asset Tracking System Includes:

- 3.5" Color Touch Screen Display
- SmartCAT Handheld with 3-Year Warrenty (Advanced Replacement optional)
- SmartCAT Asset Tracking App (pre-installed)
- Fitted Carrying Case with Storage Compartment
- Spare Battery
- Power Boosting Battery installed in handle
- USB Docking Station with USB Cable
- 12V DC Adapter Charger
- US or EU AC Power Adapter
- Separate Hand and Shoulder Straps
- Leather Cover
- Telescoping Stylus and Screen Protector
- Alien® RFID Tag Encoding App (pre-installed)

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Innovations in Identification

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In addition to single tag or multiple tag readings of Gen 2 UHF RFID tagged assets up to 40 feet away, the SmartCAT reader also scans linear or 2D barcodes (Data Matrix, QR, etc.), captures real-time GPS coordinates, takes digital photographs, includes a 3.5" color touch screen and keypad for user input and is Wi-Fi and Bluetooth ready.

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Asset Tracking System Includes

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- SmartCAT Handheld with 3-Year Warranty
  (Advanced Replacement optional)
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- Fitted Carrying Case with Storage Compartment
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Data Capture Device

Barcode Engine	1D or 2D laser scanner
Camera	3.0 megapixel autofocus with flash

Physical & Environmental Characteristics

Dimensions without gun handle	6.25"(L) x 3.1"(W) x 4.6"(H) 15.9 cm(L) x 7.9 cm(W) x 11.7 cm(H)
Dimensions with gun handle	6.25"(L) x 3.1"(W) x 5.3"(H) 15.9 cm(L) x 7.9 cm(W) x 13.5 cm(H)
Weight without gun battery	1.22 lbs / 0.55 kg
Weight with gun battery	1.42 lbs / 0.65 kg
Ingress Protection	IP65
Drop	5 feet (1.5 meters) - 6 axis (1 foot greater than MIL-STD-810 G)
Operating Temperature	14°F to 122°F / -10°C to 50°C
Storage Temperature	-20°F to 140°F / -30°C to 60°C
Humidity	0-95% RH at 104°F / 40°C
ESD	Contact: ± 4KV / Air: ± 8KV

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Specifications - SmartCAT Handheld

- EPC Gen 2 UHF RFID Hi-performance antenna (1watt)
- Linear and 2-dimensional barcode scanner
- 3 megapixel digital camera with flash
- Global Positioning System (GPS)
- Color Touch Screen and Sealed Keypad
- SIM Card Slot
- Bluetooth and Wi-Fi Ready
- Water and Dust Resistant (IP65) and drop-tested from 6 feet

Performance Characteristics

Processor	Marvell™ PXA320 820MHz
Operating System	Windows Mobile 6.5
Memory	256MB RAM / 256MB ROM
Display	3.5" color QVGA Touch Screen
Audio	Phone Receiver
	Earphone Jack
Comm. Port	RS-323 Serial Port; USB 1.1
Expansion Slot	1 micro SD Sot, 1 SIM Slot
Keypad	29 Key
Notifications	Vibrator, Speaker, LED's

UHF 900MHz RFID Reader

Frequency	850MHz-930MHz
Reading Range	0-23 feet / 0-7 meters
Writing Range	0-10 feet / 0-3 meters
Antenna Gain	2 dBi
Speed	62.5 kbps
RF Output	1W EIRP
Protocol	EPC Gen2, ISO 18000-6C
	EPC Gen2, ISO 180000-6B
Multi-Reading	Anti collision

Power Supply

Main Battery	Lithium ion 3.7V, 3,000 mAh;
	4,400 mAh in pistol grip
Backup Battery	Lithium Polymer
	3.7V, 100 mAh
Adapter	Input: 100VAC ~ 240VAC
	Output: 5VDC, 3A

Network Characteristics

Wireless LAN	WLAN (802.11 b/g)
Bluetooth	Class2, v2.0 (SPP Only)
GPS	A-GPS w/ internal antenna
Antenna	Internal LAN and WLAN
Cellular Network	Wireless HSDPA

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