



SmartCAT Asset Tracking System

SC-3A-AL11-01-KITB

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 real-time GPS coordinates, takes digital photographs, includes a 3.5" color touchscreen 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 6 ft. cord, shoulder strap, protective leather cover and QuickStart



Heavy Duty Non-Metal Mount RFID Label applied to cone.

user guide. The SmartCAT reader comes with a standard three-year warranty. For an extra fee, a three-year advanced replacement warranty is also available

The SmartCAT Asset Tracking System Includes:

- 3.5" Color Touch Screen Display
- SmartCAT Handheld with 3-Year Warranty (Advanced Replacement optional)
- SmartCAT Asset Tracking App (pre-installed)
- Fitted Carrying Case with Storage Compartment
- Spare Battery
- Power Boasting 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)



SmartCAT™ Asset Tracking System

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Physical & Environmental Characteristics

Dimensions without gun handle	6.25"(L) x 3.1"(W) x 4.6"(H) 15.9cm(L) x 7.9cm(W) x 11.7cm(H)
Dimensions with gun handle	6.25"(L) x 3.1"(W) x 5.3"(H) 15.9cm(L) x 7.9cm(W) x 13.5cm(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% at 104°F / 40°C
ESD	Contact ± 4KV / ±Air 8KV

Data Capture Device

Barcode Engine	1D or 2D Laser Scanner
Camera	3.0 megapixel autofocus with flash

Specification - SmartCAT Handheld

EPC Gen 2 UHF RFID Hi-performance antenna (1watt)
Linear and 2-Dimensional Bar code Scanner
3 Megapixel Digital Camera with Flash
Global Positioning System (GPS)
Color Touchscreen 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 slot, 1 SIM slot
Keypad	29 Key
Notifications	Vibrator, Speaker, LED's

Power Supply

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

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 ISO 180000 6B
Multi-Reading	Anti collision

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