



**UniRover**  
**3S**

Go mobile, unique handheld card based device to explore the uncharted application areas.

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## UniRover 3S



3.5"  
COLOUR TFT



32 BIT, 1.5 GHz  
QUAD CORE PROCESSOR



8GB  
DATA FLASH



STURDY & ELEGANT  
DESIGN



INBUILT  
USB 2.0



SUPPORTS HTTP,  
FTP, SSL



3000 MAH LITHIUM  
POLYMER BATTERY



WIFI



OPTIONAL  
GSM



OPTIONAL  
GPS

## Key Features

### ► High Speed Controller with Large Memory

The device has high speed 32 bit microcontroller and large data storage of 8GB. It has a capacity to store 250,000 user database. Additionally it has capacity to store last 500,000 transactions.

### ► Data Communication

There are multiple interfaces over which the device can communicate with the host computer viz USB, Wifi and GPRS. One has the ease of choosing the interface for transferring the data. The device also has an option of inbuilt GPS, which facilitates to tag the location of the data as well.

### ► Multiple RFID Technologies

Supports popular RFID technologies with inbuilt EM reader and option of having Mifare, HID iClass and HID Prox readers.

### ► Support Distinctive Protocols

UniRover 3S is equipped to support distinctive protocols like TCP/IP IPv4, HTTP, FTP, SSL. Moreover, it also supports the popular 802.11 b/g/n WiFi connectivity.

### ► Application Areas

Device mobility is the key here. The inbuilt lithium polymer battery handles over 12 hrs. of heavy usage. This opens up choice of using it for various applications e.g. mining, school buses, classroom, infrastructure sites so on and so forth.

### ► Field Upgradable Software

Facility to onsite update device software through USB interface. The product updates can easily be applied without the need of removing device and sending it back to the service center.

### ► Elegant and Robust Design

Fairly robust product designed. Keeping in mind mostly outdoor usage, a rubber gasket has been given around the device. Appropriate shape, compact size give good grip to the device aside of elegant looks.

### ► GSM For Data Transfer

The device has an option of having inbuilt GSM for data transfer. This is very handy for locations where there are no means of network connectivity. Attendance records can be transferred directly to the server without any intervention.

**HARDWARE**

CPU	32 bit, 1.5 GHz quad core processor
Memory	8GB Data flash, 1GB RAM
Card Reader Support	Inbulit EM reader** (optional Mifare†, HID Prox**, HID iClass† reader) for 1:1 match
Database	250,000 user database
Transactions	500,000 time stamped events storage capacity
RTC	Non volatile real time clock calendar, Data retention for 10 years without external power
Display	3.5" Color TFT, Resolution 320 x 480 pixels
Touchpad	Capacitive touchpad
Audio	Inbuilt piezo buzzer
USB	USB 2.0 compliant Hi-Speed
WiFi	Inbuilt WiFi 802.11 b/g/n, Encryption : WEP/TKIP/AES, Security : WPA/WPA2
GSM	Optional GSM - Quad Band GSM850/900,1800/1900. GPRS Connectivity Class 10
GPS	22 tracking / 66 acquisition channel GPS receiver. Accuracy 3.5 meter CEP
Protocols	Supports TCP/IP IPv4, HTTP, FTP, SSL
Watchdog	Inbuilt watchdog supervisor
Battery	Inbuilt lithium polymer battery 3.7V
Backup	6000 authentications / 5 days in full standby mode
Charging Supply	5VDC / 2A, Charging Time Max 4.5 Hrs
Power	0.5 watt nominal, 3 watt peak
Enclosure	ABS-PC housing with sleek aesthetics
Operating Temp.	-15 to 55°C
Humidity	RH 5 to 95% Non-Condensing
Weight	340grams
Dimensions (mm)	H 214 x W 86 x D 50

\*\* EM Prox - 125KHz (4100, 4102, 4200) and HID Prox - 125KHz (ProxCard II)  
 † Mifare - 13.56MHz (Mifare 1K/4K, DesFire, DesFire EV1) and iClass - 13.56MHz (iClass 16k/32k)

Technical specifications may be changed from time to time without any prior notice due to continuous enhancements in the product.



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