



TRACTAMUS-LF
COMPACT RUGGED LF RFID
ANDROID™ 5.1.1 PDA Reader
125kHz/134kHz, WiFi, 4G, BT, GPS
+ optional 1D / 2D Barcode Scanner

Product:	COMPACT MOBILE RFID Reader /Writer with integrated 125 kHz/134 kHz LF RFID HDX/ FDX-B Reader and 1D Barcode / 2D Data matrix, QR Scanner option.	
RFID TAGs supported:	125kHz RO/ 134 kHz ISO11784/ISO11785 / EN14803/BDE HDX TAGs (TI/SIC), FDX-B	
Read Range / Time:	Read: 20 mm up to 100 mm Write: 50% of Read	(Depends on RFID TAG type and shape)
Frequency:	125kHz / 134 kHz	(At room temperature 20°C)
Standards:	DeFacto	
CPU/GPU/Memory:	Quad-core Cortex-A53 / 1.3GHz ARMv8-A Architecture, 64 bit Multicore.	RAM: 2 GB ROM: 16 GB (µSD exp. max.32GB)
Operating System:	Android™ 5.1.1	
Keys:	3 x Tap, 4 x Side Buttons	6 x Function Keys
Touch Screen:	5.0 inches / 1280*720 / LED Backlight Gorilla Glass 3 9H	
Dimensions / Weight	Profile: 170 mm x 85 mm x 23 mm ± 2 mm	370 g (incl. standard battery)
Housing:		Overmolded Housing
Interfaces / Card Slots:	Micro USB, Bluetooth 4.0, BT Class V2.1+EDR WiFi: IEEE802.11a/b/g/n A-GPS accuracy of 5 m	1 x SIM 2 x PSAM 1 x Trans Flash
Power Supply/ESD:	3.7 VDC Lithium-Polymer Battery 4500mAh	±15kv air discharge, ±8kv direct discharge
Status Indicator:	Bicolor LED, Buzzer, Vibrator	
Temperatures: / Humidity: / Protection:	Operating: -20°C ... + 50°C Storage: -40°C ... + 70°C	5%RH – 95%RH (Non condensing) IP65, 1.5 m Drop at operating temp.
Certification:		RoHS ✓
Part Descriptions:	125 kHz TRACTAMUS-LF-125	134 kHz : TRACTAMUS-LF-134


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Data Communication WWAN:	TDD-LTE Band 38, 39, 40, 41; FDD-LTE Band 1, 2, 3, 4, 7, 17, 20; WCDMA(850/1900/2100MHz); GSM/GPRS/Edge (850/900/1800/1900MHz);	
Development Environment	SDK: HW Software Development Kit Language: Java Environment: Android Studio or Eclipse	
1D Barcode support (optional):	1D laser engine: Symbol SE955 Symbologies: All major 1D barcodes	
2D Barcode support (optional):	2D CMOS Imager: Honeywell N6603 Support: Data matrix / QR-/Micro-QR Code / PDF417 / US Planet / UK-/Dutch-Postal etc.	
Camera (optional):	8 megapixels / automatic focus / LED flashlight	
ZigBee Reader (optional)	Protocol: IEEE 802.15.4	Read Range: 100 ... 200 m
Fingerprint Reader (optional):	Sensor: TCS1xx Sensor type: Capacitive, area sensor Resolution: 508 DPI Performance: FRR<0.008%, FAR<0.005% Capacity: 1000	
PSAM Security:	Protocol: ISO7816 Baudrate: 9600, 19200, 38400,43000, 56000, 57600, 115200 Slot: 2 slots max.	

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This RFID handheld reader terminal is used by system integrators or endusers to read or write LF 125 kHz or 134 kHz HDX / FDX-B RFID tags, and to send the data to host/ PC by using wireless technology. System Integrators provide Android™ Apps related to customers needs.

Applications:

- ◆ Animal Identification
- ◆ Asset Management
- ◆ Industrial ID
- ◆ Inventory
- ◆ Logistics
- ◆ Metal Parts Identification
- ◆ Maintenance, Service, Inspection
- ◆ Waste Management



Accessories:

- Standard: 1 x Power Supply; 1 x Lithium Polymer Battery; 1 x DC charging cable; 1 x USB data cable
- Optional: Cradle, Carrying Case



Optional Feature:
Fingerprint Sensor

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