









# LA-PR-510

## Mobile UHF RFID Reader/Writer



PASSION FOR RFID

-  **UHF** Frequency range from 862 to 955 MHz according to ETSI/EN 302208
-  Read range up to 2 m (tag dependent), 0.6 m with Advanced ID Asia's Tire-Tag or Tire-Patch
-  High operation autonomy with non-volatile memory
-  Shock resistant construction
-  USB connection to PC for data download (Bluetooth optional LA-PR-510BT)
-  CD ROM with demo software for the PC to download data and database management
-  Suitable for tire management
-  Bi-directional readings for twin tires



The Advanced ID mobile reader **LA-PR-510** is a robust, long range UHF RFID reader for tire management. The “long arm antenna” enables the operator to read easily between the twin tires of a truck as well. The antenna reads both directions at the same time. The **LA-PR-510** employs Advanced ID’s state-of-the-art technology that combines high performance and reliability with ease of use.

The **LA-PR-510** supports the tag protocol EPC C1 Gen 2. In addition, future protocols can be easily implemented. The integrated frequency hopping reduces the susceptibility and the mutual influence of the devices.

The **LA-PR-510** is specifically designed for any application where tags are hard to access or there is not sufficient space to use standard readers (for example between twin tires).

The RFID reader/writer **LA-PR-510** allows users to take full advantage of the distributed mobile data carrier capability inherent to RFID tags. Data such as origin, destination, “use by” date, warranty and service or repair history can be easily updated on the tag and therefore always stays with the tagged item.

Our development team can customize the RFID reader/writer for special applications. Contact us now!

# LA-PR-510

Mobile UHF RFID Reader/Writer



**ADVANCED ID**  
ASIA ENGINEERING CO.,LTD.

PASSION FOR RFID

## TECHNICAL SPECIFICATIONS

### Read/write unit

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Tag protocol:	EPC C1 Gen 2 (ISO 18000-6C)
Read range:	up to 2 m (tag dependent), 0.6 m with Advanced ID Asia's Tire-Tag or Tire-Patch
Write range:	70% of read range
Frequency range:	862-955 MHz (programmable for world-wide local regulation compliance, FCC Part 15 and ETSI 302208)
Polarization:	linear, dipole characteristic
RF power:	27 dBm up to 17 dB attenuation adjustable by software on dipole antenna with ~1 dBi gain

### Interface

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Keyboard:	20 keys + START button
Display:	Graphic LCD
PC interface:	USB (Bluetooth optional LA-PR-510BT)

### Others

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Power supply:	rechargeable batteries, charger 12 VDC >500 mA
Operating temperature:	-20 ° to +50 ° C
Storage temperature:	-35 ° to +70 ° C
Humidity:	0-95% noncondensing
Protection class:	IP 54
Reader dimensions:	150 (B) x 310 (H) x 95 (T) mm
Arm dimensions:	720 (L) x 370 (B) mm
Weight:	1 kg
Accessories:	USB cable Battery charger 12 VDC 1.25 A CD ROM with control software, manual and drivers

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