RADIOFORCE

RFO-LF
AML-FIX650

UHF Animal Stationary Long-Range

Product Description	RFO-LF AML-FIX650

The new RFO-LF AML-FIX650 uses the same state of the art technology as the well established ASR550 and therefore is much less sensitive against electrical interference and metal in the environment. In combination with the patented Autotuning function it offers simple installation and easy integration in all types of applications.

It offers a higher power output and therefore a longer read range and supports larger antenna panels. Another outstanding feature is the adjustable power output. With the RS232 and RS4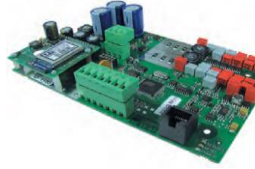85 interfaces and the optional Ethernet, Wi-Fi and Bluetooth modules it offers the whole range of modern communication. The controller for the 4x and 8x multiplexers is already integrated and allows optional multiplexing units for up to 8 Antennas.

Highlights:
- compatible to the ISO Standard 11784/5 and the new ISO14223 HDX transponders
- reader provides automaticly Autotuning (ATF) at power on and continuously in the background
- especially designed for continuous operation in feeding stations, scales or sorting gates – even under worse conditions
- RS232 and RS485 interface on-board / optional expansion slot for Bluetooth, Wi-Fi or Ethernet modules
- Wireless Synchronization
- 12 to 24 Volt power supply
- integrated Controller for the optional Multiplexing Units

Technical Specification

Operating Frequency	134.2 kHz
Transponder types	HDX and FDX-B compliant according to ISO11784/11785
Read range	Approx. 90 cm HDX & 80 cm FDX transponder of Ø 30 mm with an Antenna of 50x60 cm
Interfaces	RS232 (9600 - 115200 Baud) / RS485 (9600 - 115200 Baud) Optional: • Bluetooth Class 1 • Wi-Fi • Ethernet
Synchronization	Wireless (for HDX only) Wired Sync. for HDX and RF-Carrier for FDX optional
Multiplexing (optional units)	MPL050 (2 channels) MPL100 (4 channels) MPL200 (8 channels)

Power supply	12 to 24 V DC, 3 A max
Protection	IP 66 (with HOUS566 housing only)
Temperature range	-10 to +60°C
Dimensions (LxWxH)	HOUS550 - L x W x H: 160 x 100 x 30 mm HOUS566 - L x W x H: 192 x 185 x 90 mm
Approvals	CE
Accessories	

Antennas (IP65)	LF-ANT203 320x300x25 mm 1.5kg incl. cable	LF-ANT206 600x500x25 mm 3 kg incl. cable

Connection box
With this you can use the LF-ANT203/206 in double sided arrangements with one reader only, e. g. at gates or in scales

Antenna Cables
LF-CAB202 > 2 meter
LF-CAB203 > 3 meter

HOUS566
transforms teh Reader boards into Robust IP66 device

Protection level:	IP 66 acc. EN 60 529
Temperature range:	-10°C to 60°C
Dimensions L x W x H:	195 x 165 x 90 mm
Weight approx.:	500 g

Multiplexer
(allows you to use 4-8 antennas with RFO-LF AML-FIX550)

Power supply:	110 to 230 Volt
Protection level:	IP 66 acc. EN 60 529
Temperature range:	-10°C to 60°C
Dimensions L x W x H:	195 x 165 x 90 mm
Weight approx.:	1100 g

Add-On Modules

FIX550-BT100	FIX550-ETH100	FIX550-WIFI100	FIX550-ISO100

Article no:

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Typical Applications

Animal	Retail	Veterinary