

ASR550 – The state of the art Mid-Range Reader with optional multiplexing

Due to the state of the art technology the new stationary ISO reader ASR550 is much less sensitive against electrical interference and metal in the environment. In combination with the patented Autotuning function they offer a simple installation and more easy integration in all types of applications.

In addition to the standard RS232 and RS485 interfaces optional Ethernet, Wi-Fi and Bluetooth modules are offering the whole range of modern communication. **An outstanding feature is the multiplexing of up to 8 Antennas with the optional multiplexing units AAS100/200.**



Advantages of ASR550

- The Reader is compatible to the ISO Standard 11784/5 and reads FDX-B and HDX with a very good reading range.
- The new antenna design offers less influence of metal and electromagnetic interference on the reading range.
- The reader provides several Autotuning (ATF) possibilities: at power on, continuously in the background, via command or by "Tune" key on the ASG566 housing.
- Another outstanding feature is the patent pending Integrated Diagnosis Function IDF, which allows on-site diagnosis for evaluating the noise situation without additional hardware like oscilloscopes or spectrum analyzers.
- The ASR550 is especially designed for continuous operation in feeding stations, scales or sorting gates – even under worse conditions.
- The reader has an RS232 and an RS485 interface as standard. With the optional Bluetooth, Wi-Fi or Ethernet modules, the ASR550 offers a high level of connectivity.
- Wireless Synchronization ensures the best HDX reading performance in multi-reader applications. The optional Wired-Sync. module allows wired ISO Synchronization for the best possible performance.
- The wide operating voltage range from 12 to 24 Volt provides more flexibility regarding the power supply.
- The optional ASG566 housing is protected according to IP66. The ASG566 allows "Plug & Read" using colour-coded connectors instead of cable glands.
- In combination with the portable APR500 reader connected via RS232 or Bluetooth the ASR550 offers a flexible stationary solution with display and memory for very economic cost.
- With the optional Multiplexing Units AAS100 and AAS200 the ASR550 can be used for up to 8 multiplexed antennas.
- ATF is protected by USP 6.070.803 and EP 0 0625 832 B1

Technical Data of ASR550

Frequency	134,2 kHz
Transponder types	HDX compatible (ISO 11784/5) FDX-B compatible (ISO 11784/5)
Reading range	with antenna APA006 (50x60 cm): up to 90 cm with HDX transponder of ø 30mm up to 80 cm with FDX-B transponder of ø 30mm
Interfaces	RS232 (9600 - 115200 Baud) RS485 (9600 - 115200 Baud) Optional: <ul style="list-style-type: none">• Bluetooth Class 1 (Master or Slave Mode)• Wi-Fi• Ethernet
Synchronization	Wireless (for HDX only) Wired Sync. for HDX and RF-Carrier for FDX optional
Multiplexing	With the optional units: AAS100 (4channels) AAS200 (8 channels)
Power supply	12 to 24 V DC, 1 A max
Protection	IP66 (with ASG566 housing only)
Temperature range	0 to 60°C
Dimensions	ASR550 L x W x H: 160 x 100 x 30 mm ASG566 L x W x H: 192 x 185 x 90 mm

Accessories for ASR550

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|---------------------------------|---|---------------------------------------|-------------------------------|
| ■ ASG566 IP66 housing | ■ ASB200 connecting box
and AAC cable | ■ Add-on modules: | |
| ■ AAS100/200 Multiplexer | | ASY100 ISO Sync module | AET100 Ethernet module |
| ■ APA203/206 Antenna | ■ AZE156 Power supply | ABT100 Class1 Bluetooth module | AWL100 Wi-Fi module |