agrident

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 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 AAS050/100/200.**

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Advantages of ASR550

▮ The Reader is compatible to the ISO Standard 11784/5 and the new ISO14223 HDX transponders. It reads FDX-B and HDX with a very good reading range.

▮ The new antenna design offers less influence of metal and electro-magnetic 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 analysers.

▮ 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 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.

▮ With the optional Multiplexing Units AAS050, AAS100 and AAS200 the ASR550 can be used for up to 8 multiplexed antennas.

▮ The ASR550 can connect to Agrident's Android App in order to stream and store live data on a smartphone.

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 APA206 (50 x 60 cm):
	up to 90 cm with HDX transponder of ø 30 mm
	up to 80 cm with FDX-B transponder of ø 30 mm
Interfaces	RS232 (9600 - 115200 Baud) RS485 (9600 - 115200 Baud)
	Optional: • Bluetooth Class 1 (Master or Slave Mode) • Ethernet
Synchronization	Wireless (for HDX only)
	Wired Sync. for HDX and RF-Carrier for FDX optional
Multiplexing	With the optional units: AAS050 (2 channels) AAS100 (4 channels) AAS200 (8 channels)
Power supply	12 to 24 V DC, 2 A max
Protection	IP 66 (with ASG566 housing only)
Temperature range	–10 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
Approvals	CE, FCC, IC

Accessories for ASR550

▮ **ASG566** IP 66 housing

▮ **AAS050/100/200** Multiplexer

▮ **APA203/206/160** Antenna

▮ **ASB200** connecting box and AAC cable

▮ **APS550** Power supply

▮ **Add-on modules:**

ASY100 ISO Sync module

ABT100 Class 1 Bluetooth module

AET200 Ethernet module