ST-110

UHF RFID Reader/Writer

ADVANCED ID
ASIA ENGINEERING CO.,LTD.

PASSION FOR RFID

- Frequency range from 862 to 955 MHz according to ETSI/EN 302208
- Read range up to 2.5 m (tag dependent)
- Trouble-free operation in harsh environmental conditions
- Shake resistant and solid construction for most demanding applications
- Ideal for conveyor belts or access control applications
- Weatherproof for indoor and outdoor use
- CD ROM with demo software for the PC to download data and database management

The Advanced ID standalone reader **ST110** is a robust, middle range UHF RFID reader for outdoor and indoor use. It employs Advanced ID's state of the art technology that combines high performance and reliability with ease of use.

The **ST110** 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 RFID reader can safely read up to 30 tags simultaneously.

The RFID reader/writer **ST110** operates together with a PC/laptop. The **ST110** is supplied with a USB connector providing both the voltage and the data exchange to the PC/laptop.

The **ST110** is ideal for all applications were fixed readers are required like in logistics, asset tracking, access control or warehouse management. Our development department can customize the RFID reader/writer for special applications. Contact us now!

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TECHNICAL SPECIFICATIONS

Read/write unit

Tag protocol:	EPC C1 Gen 2 (ISO 18000-6C)
Read range:	up to 2.5 m (tag dependent)
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:	circular
RF power:	20 dBm up to 17 dB attenuation adjustable by software

Interface

PC interface:	USB (LAN, RS 485 and RS 232 on request)

Others

Power supply:	USB 5V 350 mA (with RS 485 and RS 232 external 9-12 VDC >500 mA)
Operating temperature:	-20 ° to +50 ° C
Storage temperature:	-35 ° to +70 ° C
Humidity:	0-95% noncondensing
Protection class:	IP 64
Dimensions:	195 (W) x 155 (H) x 40 (D) mm
Weight:	600 g
Color:	orange, gray
Firmware:	simple firmware update through Software
Accessories:	CD ROM with control software, manual and drivers

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