

# AMP600

## Advanced Smart Label Reader/Writer

### Introduction:

AMP600 is an advanced reader/writer based on Radio Frequency Identification (RFID) Technology. It is a versatile and easy to use ISO15693 RFID 13.56Mhz reader/writer good for those who need the solution of Multi-tag to be read in one time in a long queue. This AMP600 is the suitable solution to be integrated with the so -called “ **Smart Check out System**”.

### Features:

- ☆ **Compact –sized for easy installation.**
- ☆ **Anti-collision**
- ☆ **Featuring of data reading and writing**
- 3-LED design for signal indication
- Heavy-duty proof metal housing
- Reading distance up to 30 cm with an ideal design antenna conditions

### Applications:

- Jewelry security/Food Freshness Control
- Laundry management
- Document tracing/Logistic tracing
- ※ **Specification is subject to change without notice.**

### Specifications:

#### AMP600 Physical Reader/Writer

Operating frequency	13.56Mhz
Supported Tags	Tag-it® HF, ISO15693 compliant transponders
Interface	RS232 and RS485, 19200, n, 8, 1
Power requirements	12VDC, 300mA (Max. 4W)
RF Modulation	100%FM
RF Protocol	ISO/IEC15693
Operating time	<24ms per one label

**Antenna ANT-1015A (available for wall mounting /desktop installation) Dimension (mm) L345 x W240 x H20**

Operating frequency	13.56Mhz
Reading distance	Up to 30 cm
Antenna connection	SMA-plug ( 50 ohm)
Antenna cable	RG174 / 2M
Number of tags at the same time	16
Protection class	IP40

#### Ordering information

**AMP600 + ANT-1015A**

***AMP600 solution makes you sell more and lose less!***

***Also good for stocktaking in Jewellery stores effective from Hours to Minutes***



# Appendix

## AMP600 Reader/Writer Specification

Item	Value
Operating Frequency	13.56MHz +/- 7kHz
Supported Transponders	Tag-it™ HF, ISO15693 Compliant Transponders
Supply voltage	12VDC +/- 5% (Noise Ripple: Max 50mV)
Supply current	300mA
Transmitter Power	Min. 600mW
Antenna Connection	SMA female
Antenna Impedance	50 ohm +/-10% (@13.56MHz)
Antenna SWR	1.1~1.2 (@13.56MHz)
Communication Interface	RS232 and RS485
Communication Parameters	19200, n, 8, 1
Optical Indicators	3 LED's for status diagnostics
Operating Temperature	-10°C to +40°C

### Antenna Specification:

Item	Value
Operating frequency	13.56MHz
Admissible transmitting power	1000mW
Reading distance	Up to 30cm
Antenna connection	SMA-plug (50 ohm)
Antenna cable	RG174 / 2M
Antenna Impedance	50 ohm +/- 20% (@13.56MHz)
Antenna SWR	1.1~1.2 (@13.56MHz)
Number of tags at same time	16 <sup>2</sup>
Protection class	IP40

### Applications

- Jewelry security
- Making an inventory
- Consumable identify
- Fresh Control
- Book or Video rental
- Replace barcode
- Laundry manage
- Document trace
- Logistic tracking