

AMR170 NFC Contactless Smartcard Readers

The **AMR170** family of smartcard readers are designed with a fresh new look for a new generation of users. This family of readers embodies the latest Near Field Communication (NFC) technology, which supports the industry standard contactless smartcard operations in compliance with ISO 14443 Type A/B , FeliCa and CEPAS.

AMR170 family line includes various user interface options including a simple short-range reader only, a reader with keypad entry, and a full featured reader that comes complete with keypad and LCD.

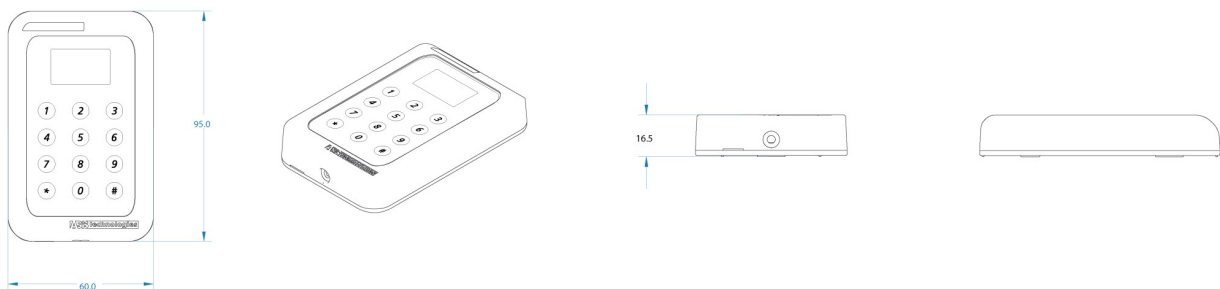
Each reader is equipped with both RS485 and Wiegand communication interface for easy integration into a wide spectrum of applications, while allowing easy migration from any existing solution.



Key Features

- Incorporates Near Field Communications (NFC) technology
- Supports industry standard contactless smartcard (up to 64bit) in compliance with
 - ISO 14443 Type A (MIFARE STD, MIFARE UL, MIFARE DESFire)
 - ISO 14443 Type B (CEPAS – *new EZLink and NETs card*)
 - FeliCa (*old EZLink card*)
 - CEPAS
- Graphics icon-based LCD display for language independent user friendly interface
- Operational convenience with smartcard level security through contactless smart card technologies
- Flexible data communications options with either RS485 or Wiegand communication interface
- Positive audio-visual feedback to user operations provided by large tri-colored indicator and multi-tone electronic buzzer
- Modern & elegant designer casing to suit any décor

Mechanical Diagram














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Technical Specifications

Specifications*	AMR171W/R	AMR175W/R
Description	NFC Contactless Smartcard Reader	NFC Contactless Smartcard Reader with keypad & LCD
Feature	Read Card	Read Card, PIN, Duress, Hold
PIN Duress Support	No	Yes
Read Range	2"/50mm	
Max Bit Length	64	
Wiegand bit length support	26, 32, 37, 40, 56, 80, 168 (ASIS) bits format and 8-digit 32, 37, 40	
Communication Interface	Wiegand, RS485	
LED Indicator	Green/ Red/ Amber	
Buzzer	Multitone	
LCD Display	-	96 x 64 graphic LCD
Keypad	-	3 x 4 keys
Termination	300 mm pigtail cable	
RS485 Support	16 different address (80h to 8Fh)	
Environmental	Weatherproof	
Mounting	Hook-on bracket	
Color	Black/ Warm Gray	
Input Voltage	12 - 24 VDC	
Current Consumption	100 mA at 12 VDC max	200 mA at 12 VDC max
Dimensions (H x W x D)	95 x 60 x 16.5 mm	
Weight	200 g	350 g
Operating Temperature	0°C to 50°C	

*Specifications are subject to change without prior notice

AMR175 Reader Graphics

Access Grant		Door Locked	
Access Denied		Fire Activated	
Access Invalid		Box Tamper	
Door Open Too Long		PIN Mode	
Door Force Open		Pre-Alarm	
Free Access			

Ordering Information

Model No.	Description
AMR171W/R-B	AMR170 NFC Smartcard Reader only (Black)
AMR171W/R-G	AMR170 NFC Smartcard Reader only (Warm Gray)
AMR175W/R-B	AMR170 NFC Smartcard Reader w/keypad & LCD (Black)
AMR175W/R-G	AMR170 NFC Smartcard Reader w/keypad & LCD (Warm Gray)