Accessories Portfolio

springcard®

YOUR EXPERT IN CONTACTLESS SOLUTIONS

Antennas

102x102mm
Antenna ideal
for long range

146x78mm
Antenna ideal
for NFC phones

69x45mm
Asymmetric standard
antenna (provided
with a ferrite shield)

69x45mm
Standard antenna

20x85mm
Antenna for a NFC label printer
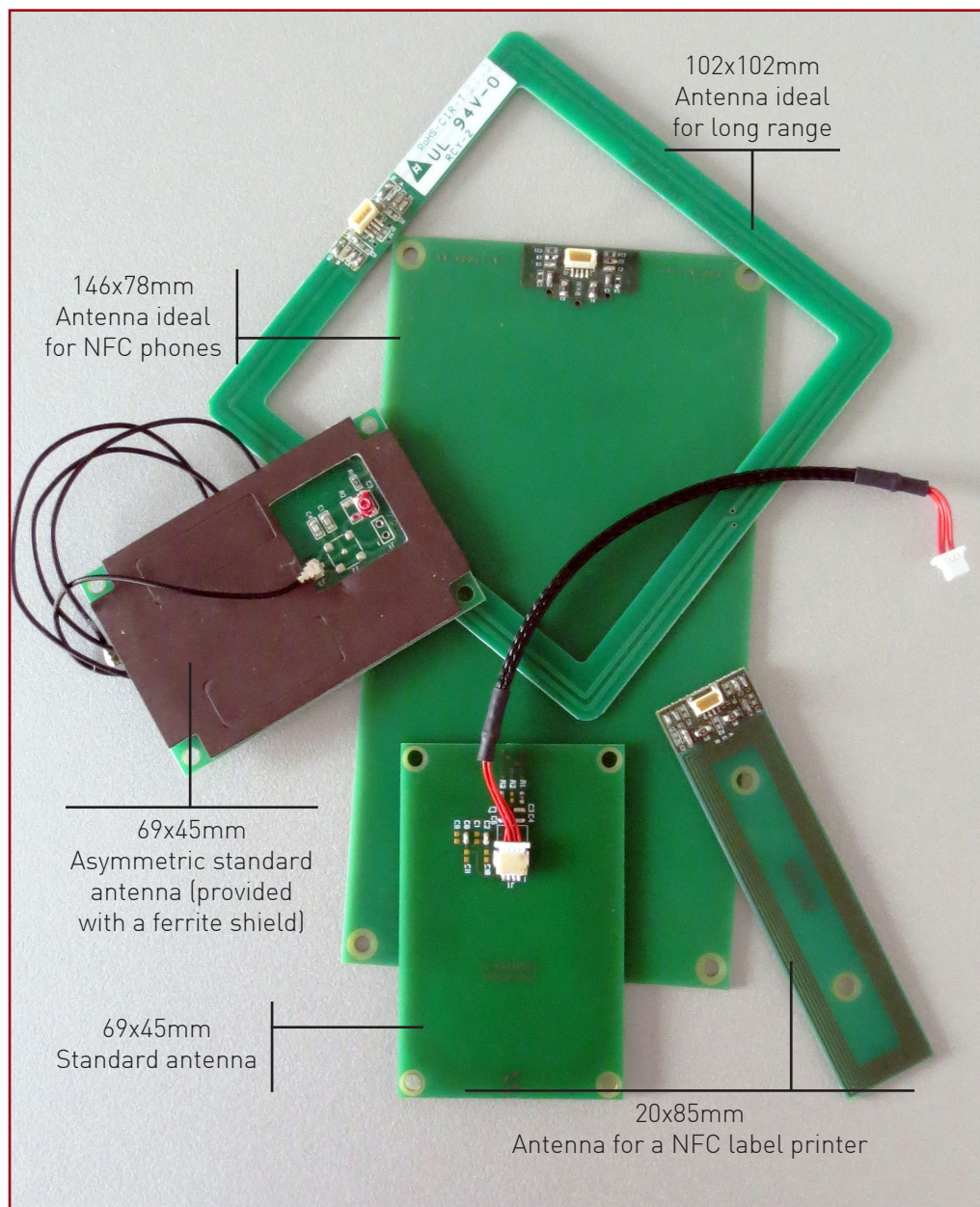
MOST CURRENT 13.56MHz ANTENNAS

| Type	Dimensions	Order code
Asymmetric	69x45mm approx. 27,16x17,72in	SC0263
Symmetric	69x45mm approx. 27,16x17,72in	SC14358
Symmetric	20x85mm approx. 7,87x33,46in	SC14360
Symmetric	102x102mm approx. 40,16x40,16in	SC14359
Symmetric	146x78mm approx. 57,48x30,71in	SC15387

CUSTOM-DESIGNED ANTENNAS

SpringCard's experts are able to design custom antennas and solutions, whatever is your need (size, range, materials compatibility, with or without a ferrite shield...).

SpringCard's objectives

✓ ease of integration

✓ performance

✓ compliance to standards

✓ wide operating conditions

Serial Interfaces

	SERIAL INTERFACES		
Order code	FPF14179	FPF14194	FPF14197
Name	Interface for SpringCard Kxxx-232 products	Interface for SpringCard Kxxx-TTL products	Interface for SpringCard Kxxx-485 products
Included accessories	Null-modem DB9 to DB9 cord (2m) + JST8 cable (30 cm) + International power adaptor AC 100-240V 50-60Hz 0.5A → DC 9V 1.67A		
PC-side interface			
Connector	DB9, RS-232 level compliant with standard PC ports		
Product-side interface			
Connector	JST 8 points		
Communication lines	RX/TX according to RS-232	RX-TX at TTL 5V (CMOS 3V tolerant)	A/B according to RS-485
Power output	5V DC, up to 250mA		
Control lines	/RESET and /FLASH - allows to upgrade the K663's firmware from the PC		
Power requirement	7.5 to 12V DC, <100mA for the interface itself @9V (total power consumption depends on the connected SpringCard product)		
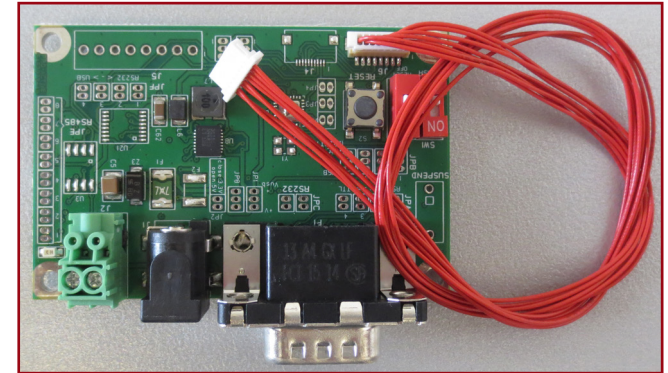
(i) All products have the same physical appearance. Please check the part number on the label before use.

USB Interfaces

	USB INTERFACES		
Order code	FPF14203	FPF14200	FPF14206
Name	USB interface for SpringCard Kxxx-232 products	USB interface for SpringCard Kxxx-TTL products	USB interface for SpringCard Kxxx-485 products
Included accessories	USB cord (1,80m / 70,87in) + JST8 cable (30cm / 11,81in)		
PC-side interface			
Connector	USB mini type B		
USB to serial chip	FTDI - serial port emulation driver available for most operating systems		
Product-side interface			
Connector	JST 8 points		
Communication lines	RX/TX according to RS-232	RX-TX at TTL 5V (CMOS 3V tolerant)	A/B according to RS-485
Power output	5V DC, up to 250mA		
Control lines	/RESET and /FLASH - allows to upgrade the K663's firmware from the PC		
Power requirement	Powered by USB (5V DC, <100mA for the interface itself (total power consumption depends on the connected SpringCard product)		
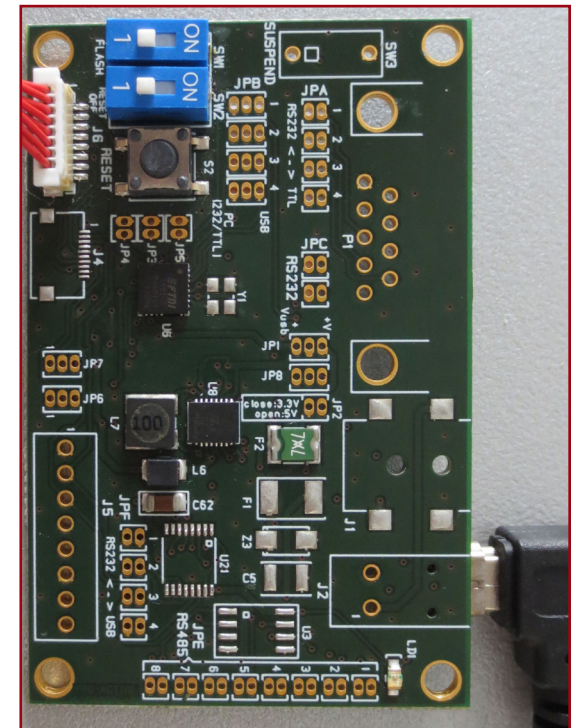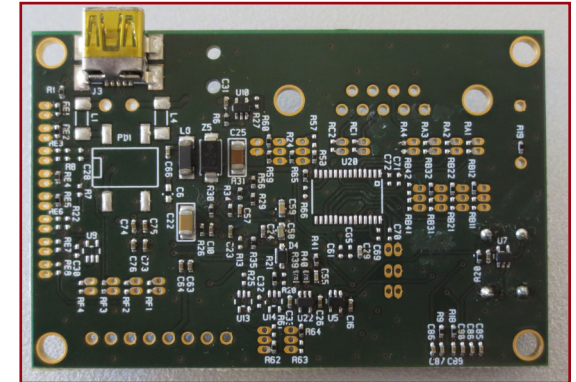
ⓘ All products have the same physical appearance. Please check the part number on the label before use.

The SpringBox I

SpringBox I is so easy to customize!

NEED A SHELL?

SpringCard provides this little black box to fit SpringCard's OEM devices in your equipment.

Color: Black

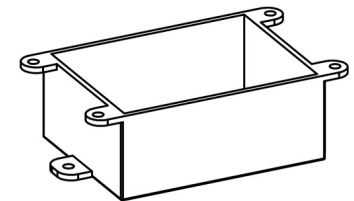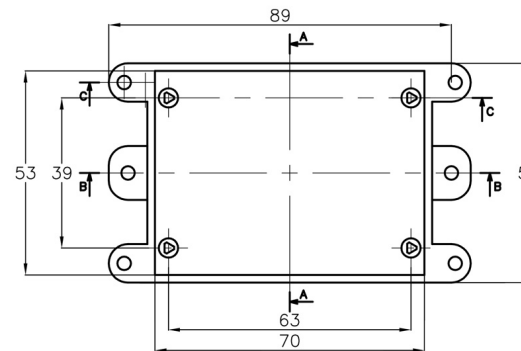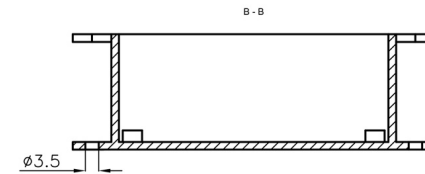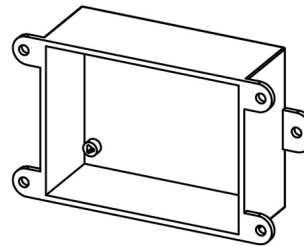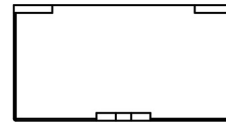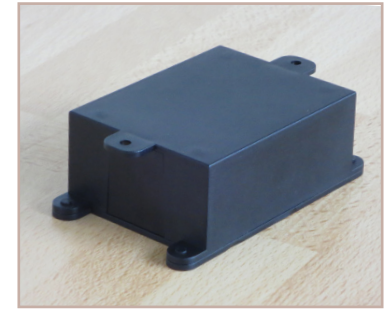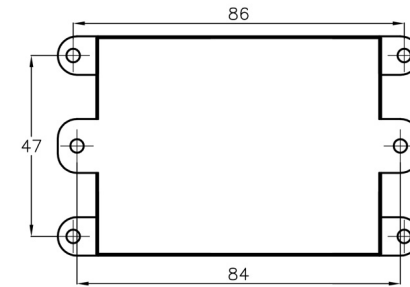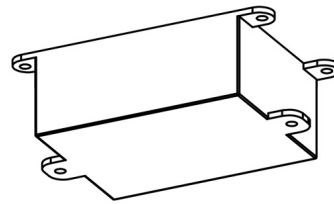Material: Acrylonitrile Butadiene Styrene (ABS)

Weight: 34g

SpringBox I accomodates all SpringCard's 69x45mm boards and antennas.

You can cut it, drill it, machine it the way you want.
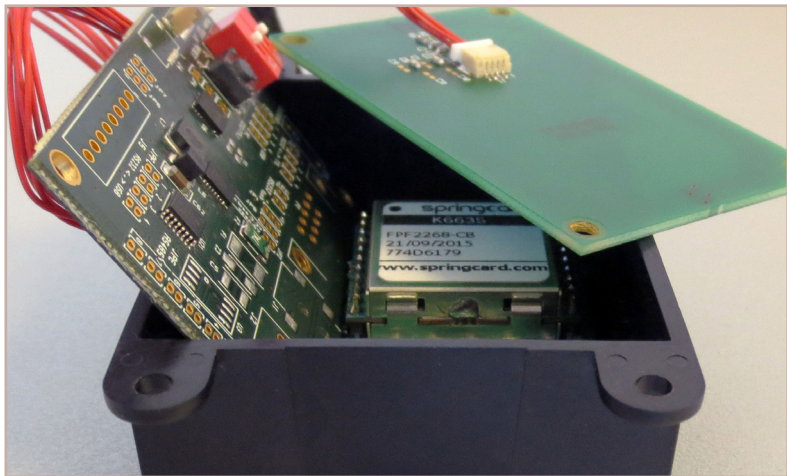
See below an example:
a TwistyWriter-K663S-TTL
+ an 69x45mm antenna
+ an USB-TTL Interface
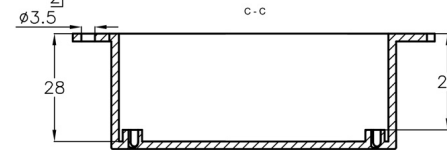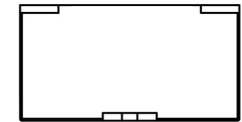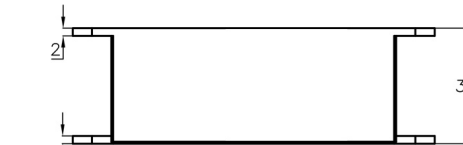
Order code

■ SC15435: SpringBox I

springcard®

YOUR EXPERT IN CONTACTLESS SOLUTIONS

SpringCard offers a wide range of products to meet as many needs and use cases as possible.
With a 15-year experience in contactless smartcards, communication technologies and development on embedded or mobile systems, SpringCard R&D Team is also a valuable partner to design your own solution or product.

SpringCard in the world

Angers - Paris - Strasbourg
San Diego - San Francisco - Sydney - Tokyo

www.springcard.com

Products designed and manufactured in France