YOU Reader

AXEM Technology

YOU reader is a versatile 13.56MHz RFID reader highly configurable to read serial number or data from any RFID tag or contactless smartcards.

With its **USB interface** for fast data transfer, adapts to a variety of situations. YOU reader supports USB 2.0 full speed (12Mbps), and has a fast smartcard baud rate (848kbps).

Two modes available: **PC/SC** or **Scanner** (details on page 2)

Applications

Loyalty programs, micro-payment, card issuing desk, user dentication, access control, logistics, RFID asset management and tracking...

Fully customizable!

NFC/HF   USB

YOU Reader

General specifications

Dimensions	80 x 80 x 15mm
Housing material	Polyester resin
Frequency	13,56MHz (RFID HF, NFC)
RFID / NFC Standards	ISO 14443A-B, ISO 115693, NFC peer-to-peer (ISO 18092 initiator, passive communication mode) T=CL protocol on board
Operating distance	1 - 7,5cm depending on tag and on environment
Tag baud rate	26kbps (ISO 15693), 106/212/424/848kbps (ISO14443), 212/424kbps (ISO18092)
Antenna	Integrated, D5.5cm, balanced
Communication with host	USB 2.0 full speed (1.1 compliant) 12Mbps - powered by the host (<400mA @ 5V)
Standards	CCID 1.1 profile - PC/SC v2.01
Puissance	Powered by the USB bus (≈ 200mA / 5V)
Status indicators	3 LEDs (red, blue, green) Single tone beeper (85 dBA approx.)
Connector	USB
Color	Blue / White - with or without blue waves printing Complete customization on request
Operating Temperature	-20°C to + 70°C
Storage Temperature	-40°C to + 85°C
Humidity	0 - 90% (non condensing)
MTBF	500 000 hours
Certifications	RoHS, WEEE

PC/SC Mode

PC/SC is a specification for smart-card integration into computing environments.

PC/SC is supported by major operating systems. This standardized smartcard reader API allows developers to work with contactless cards (including Mifare® and other wired-logic chips) as easily as if they were classical T=0 or T=1 contact cards.

OR

SCANNER Mode

Its USB interface emulates a standard keyboard: no driver installation, no software required! With the scanner mode the reader is «autonomous», collected data are transmitted to the computer as if they were entered on the keyboard.

Thanks to the RFID scanner mode, reading RFID chips is as easy as reading a barcode. Configured through a secure master card.