



RFID Snap-on Module for Mobile Computer MC 959x^{EX}-NI series

Features

- Innovative addition to the MC 959x^{EX}-NI
- Power is supplied by the MC 959x^{EX}-NI

Description

The module can be simply plugged onto the cradle contacts of the MC 959x^{EX}-NI. The scan trigger is ergonomically mounted on the mobile computer, permitting simple recording of various RFID standards in the frequency ranges LF, HF or UHF with single-handed operation.

No extra power supply is required for the RFID module. An SDK is available for application development using the programming languages C and .Net as Open Source Code, including demo.

Explosion protection

Ex protection type ATEX Zone 2/22

- Ex ic II 3G Ex ic IIC T5 Gc
- Ex ic II 3D Ex ic IIIC T90 °C Dc

Certification

EPS 13 ATEX 1588 X

Ex protection type IECEx Zone 2/22

- Ex ic IIC T6 Gc
- Ex ic IIIC T90 °C Dc

Certification

EPS13.0028X

Ex protection type UL Division 2

- Class I Div. 2 Group A, B, C and D
- Class II Div. 2 Group F and G
- Class III T5

Certification

UL File E321557 Vol. 1 Sec. 2

Supported RFID standards

LF Reader: Type B7-A2Z0-0020

HITAG S256	ISO 117845
HITAG S 2 kb	ISO Animal
HITAG 1	ISO 11784/5
HITAG 2	EM 4450/4550
Q5	EM4xxx (UNIQUE)
ATA5567	HDX-RO
EM4305	HDX (Multipage)
BDE	FDX-B

HF Reader: Type B7-A2Z0-0021

ISO 14443 (e. g. Mifare Ultralight)
ISO 15693

UHF EU and US Reader: Type B7-A2Z0-0022, B7-A2Z0-0023

EPC Gen 2

Technical data

Dimensions (length x width x height)

80 mm x 61 mm x 31 mm
3.15 inch x 2.4 inch x 1.22 inch

Weight

approx. 75 g
approx. 0.165 oz

Ambient temperature

-20 °C to +50 °C (-4 °F to +122 °F)

Storage temperature

-40 °C to +70 °C (-40 °F to +158 °F)

Air humidity

5 % to 95 % (non-condensing)

Protection class

IP 54

Antenna

internal

■ LF module

Reading range up to approx. 5 cm (1.9 inch)

Frequency range

125/134 KHz

■ HF module

Reading range HF ISO 15693:
approx. 6 cm (approx. 2.36 inch)

Reading range HF ISO 14443:
approx. 6 cm (approx. 2.36 inch)

Frequency range

13.56 MHz

■ UHF module

Reading range up to approx. 30 cm
(ca. 11.8 inch)

Frequency range

865.6 to 867.5 MHz (Europe)
902 to 928 MHz (North America)

Application development

Software Development Kit (SDK) for
programming languages C and .Net for the
Windows Mobile operating system

Selection chart

RFID Reader	Code no.
LF	20
HF	21
UHF Nord-Amerika	22
UHF EU	23

Complete order no. B7-A2Z0-00

Please insert correct code.

Technical data subject to change without notice.