

13.56 + 868 MHz Midrange Reader / Writer SIM-2520-H



- compact 13.56 + 868 MHz RFID midrange reader/writer
- optimized for hanging items
- suitable for on-metal applications
- reading distance up to 60 cm (HF ISO-card size)
- no tag detection outside of the antenna area
- integrated antenna
- CE

Technical Data:

Dimensions: (l x w x h)	(1.140 x 220 x 60) mm (1.140 x 220 x 64) mm (at connect box)
Power supply:	External 12 V/1 A DC (12 V-24 V)
Current consumption:	750 mA @12 V
Transmit frequency:	13.56 MHz + 868 MHz
Antenna:	integrated
Output Power:	HF: 1.3 W @ 50 Ω UHF: 400 mW @ 50 Ω
Transponders:	ISO 15693, ISO 18000-3, ISO 18000-3 Mode3 <ul style="list-style-type: none"> • ICode SLI(-S/-L): ISO 15693 + Custom Commands • EM 4034, 4035, 4135: ISO 15693 + Custom Commands • VarioSens, Tag-it, Tag-it HF-I , Infineon My-D: ISO 15693 + Custom Commands ISO 18000-6C, EPC Gen2
Max. Transponder in Field	20
Interface:	RS232, Ethernet, USB 2.0
Status LED:	Power / Tag Detect / Connection
Housing:	PVC material with aluminum laminated baseplate / IP20
Weight:	9.2 kg
Operating temperature:	0 °C to 50 °C

Order Information:

SIM-2520-H (OEM without package)	Order-No.: 220.2520
Power supply	Order-No.: 999.1280

Performance overview

	UHF	HF
Power Supply		12 V -24 V DC
Supported Tag Types	ISO 18000-6C EPC Gen2	ISO15693 ICODE1 ISO18003Mode3
Reading Speed ISO15693 (1 Tag in field)		11 Tags/sec
Reading Speed ISO15693 (10 Tags in field)		52 Tags/sec
Reading Speed ISO18003Mode3 (1 Tag in field)		18 Tags/sec
Reading Speed ISO18003Mode3 (10 Tags in field)		69 Tags/sec
Reading Speed ISO18003Mode3 (50 Tags in field)		99 Tags/sec

Comparison HF

	SIM-2520-H	SIM-2500	SIM-2300-H	SAT-A144/22-LR-OF-13MHz with SIR-2720	SAT-A144/22-LR-OF-13MHz with SIL-2300
Output Power	1,3 W	1,0 W	4,5 W	1,5 W	4,5 W
Reading range ISO15693 Card (86 mm x 55 mm)	60 cm	33 cm		67 cm	78 cm
Reading range 16 mm Laundry Tag	20 cm	13 cm	18 cm	20 cm	25 cm
Reading range 7 mm Laundry Tag	4 cm	4 cm	5 cm	7 cm	9 cm
Reading range 16 mm Tag ICODE1 (20%)	17 cm	10 cm		17 cm	22 cm

Mounting Instructions

can be mounted via VESA or via through-hole assembly (mounting holes prepared on backside)

Radiation Pattern UHF

