TAGSYS MEDIO™ S001 and MEDIO™ S002

The TAGSYS Medio™ S001 and S002 are revolutionary 13.56 MHz RFID multi-protocol OEM readers specifically designed to be integrated into small devices where footprint, weight and power consumption are of concern. Their multi-protocol firmware enables read and write of any type 13.56 MHz RFID chip. The firmware of the Medio™ S002 can be upgraded to the future ISO 18000 RFID chips, providing a cost efficient and versatile solution to OEMs adopting the TAGSYS OEM readers.

The TAGSYS Medio™ S001 and S002 readers can read several RFID tags at the same time (multi-read).
With a low power consumption, and a stand by mode, they contribute to the longer life time of the portable devices that they integrate, which is critical for field operations.
The on-board Flash memory of the Medio™ S002 enables automatically storing last configurations, eliminating the need for reprogramming each time the unit is turned on. In addition, the Medio™ S002 reader can be programmed for different configurations, either keyboard standalone mode or standard STX communication protocol, facilitating installation of the equipment.

The Medio™ S001 and S002 RFID readers come with a CD-Rom containing Product Documentation and Software Suites.

FEATURES

- The TAGSYS Medio™ S001 is multi protocol, able to read/write TAGSYS, Philips I-Code™ and TI Tag-It™ RFID chips.
- The TAGSYS Medio™ S002 is multi protocol, able to read/write all chips supported by the Medio™ S001 and all ISO 15693 RFID chips.
- They are small in size.
- They offer low power consumption.
- The TAGSYS Medio™ S002 has an upgradeable firmware.

BENEFITS

- The TAGSYS Medio™ S001 and S002 readers enable a broader range of applications with a total independence of RFID tag vendors.
- They are easily integrated into compact and lightweight devices.

TECHNICAL SPECIFICATIONS

ELECTRICAL FEATURES

	Medio™ S001	Medio™ S002
Frequency	13.56 MHz	
Chip Compatibility	TAGSYS (C210, C240, C220), Philips I-Code™ and TI Tag-It™ RFID chips	TAGSYS (C210, C240, C220), Philips I-Code™, TI Tag-It™ RFID chips as well as all ISO15693 RFID chips and future ISO18000 RFID chips
Standalone Mode	TAGSYS C210 RFID chips	All chips
Communication Interface	TTL/RS232	TTL/RS232/RS485/RS422
Power Consumption	150 mA under 5 V 100 µA hardware stand by mode	165 mA under 5 V 50 µA hardware stand by mode
Power Supply	4 to 6 V	
RF Power	up to 200 mW	130/250 mW (programmable)
Communication Speed	Up to 38.4 Kbits/s	
Upgradeable Software	No	Yes
Product Documentations	- Integrator Guide - Command Set Manual	
Software Suites	- S002 Explorer (for test and firmware upgrade) - Medio™ STX E Windows® DLLs (for custom application development)	

MECHANICAL FEATURES

Size (in mm)	40 × 30 × 10
Weight	7 g (1/4 oz.)

ENVIRONMENT FEATURES

Storage Temperature	-20 to 70 °C (-4 to 158 °F)	
Operating Temperature	0 to 55 °C (32 to 131 °F)	
Certification	CE, EN 300-330, ETS 300-683 European Radio	
	Japanese ARIB T60 Radio standard	FCC part 15 in some configurations

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