

CEYON TECHNOLOGY
POWERRFID®

WORLD BEST **RFID** TECHNOLOGY



CEYON TECHNOLOGY

Ver. 201008

HISTORY

- 2010.06** Develop for Exhibition management system in Japan.
- 2010.05** Develop for a Business system of U.S government with Florida Univ.
- 2010.02** Offering for a SESS RFID System of SAMSUNG Corporation's in China.
- 2010.02** Built in a RFID System for Eum-Seong livestock products of National Agricultural Cooperative Federation.
- 2010.01** Built in LCD manufacturing Process Automation for BOE HYUDIS in China.
- 2009.12** Setup RFID system to MEMC Korea.
- 2009.12** Setup RFID system to verify LOT ID in Semiconductor in Samsung Electronics.
- 2009.10** U-Plus Project of RFID Reader win a contract of DONG-KUK University.
- 2009.09** Provided RFID Dongle for mobile phone and RFID module for PDA to manage liquor distribution to the National Tax Service.
- 2009.07** Provided RFID Dongle for mobile phone and RFID module for PDA to manage liquor distribution to the National Tax Service.
- 2009.06** Built in RFID system for IT renovation network of GM Daewoo Motor Company.
- 2009.04** Provided RFID Readers & Controllers for process automation to LGDisplay factory.
- 2009.03** Built RFID system for viewing system of Nature Ecologic Park in Seoul woomyen Mt.
- 2009.01** Provided RFID Dual Dongle (900MHz & 13.56MHz) for the wireless telephone to KTF.
- 2008.06** Participated as a consortium member for 'U-IT Government Project' Construction of "High Quality Red Pepper Traceability" by RFID
- 2008.05** REM900' is certified by TTA (Firstly passed the Test with 100% multi Tag recognition rate)
- 2008.03** Built in LCD manufacturing Process Automation for BOE HYDIS.
- 2008.02** Honored as a nominee of 'RFID Company of This year' by RFID Journal Korea.
- 2007.11** Got the RFID dongle type reader in dual frequency (UHF and HF)
- 2006.08** installed "Laborer management system" for security and employees for GS construction site.
- 2005.09** Registered Patent for 'Unmanned Logistics Receipt Method & system'
- 2005.07** Received an order for National Traffic Information project by Ministry of Construction & Transportation
- 2004.08** Contracted "Imported meat tracking service using RFID" with Korea Gov. (National Veterinary Research & Quarantine Service)
- 2003.06** Applied Patent for 'Unmanned Logistics Receipt Method & system' and 'Post Receipt Method & System with RF Tag'
- 2001.01** Established Ceyon Technology.co.,LTD.



CEYON TECHNOLOGY...



As a major RFID hardware manufacturer, has various customizing experiences in and out of Korea. With catchphrase of "World Best RFID Technology", the continuous R&D investment and Endeavour for 8 years gave the birth to cutting-edge technology with line-up of RFID products from LF to UHF.

WORLD BEST **RFID** TECHNOLOGY

Item	Application	Frequency	Product
Fixed Type Reader	• Distribution & Logistics Management • Factory Automation • Asset Management • Access Control • Library Management • Packing Control • Various Filed of industry	LF	RIM125 REM125 WIM125 DAC125 REM134
		HF	DSC1356 CRE1356 DAC1356 RIM1356 CRI1356 REM1356
		UHF	REM900-R2 REM900-MCR1 RIM900
Portable Type Reader	• Distribution & Logistics Management • Factory Automation • Asset Management • Access Control • Library Management • Packing Control • Various Filed of industry	LF	Juno7-125W/134W
		HF	SD1356 Juno7-1356W
		UHF	SD900 Juno7-900W
Mobile RFID	• Mobile Communication Application	UHF	SKY900BLU SKY900D SKYdual
Active RFID	• Traffic management • Location Tracking	Active	BST245-V AT245-V AT245-P
Controller	• Factory Automation	LF	TRA-5
Module	• ALL	LF/HF/UHF	MOD Series
USB Type Reader/Writer	• ALL	UHF	MODR900-USB



REM900-R2(Juno-F)



Specification

Operating Frequency	UHF
Channel No.	4Ch (Monostatic OR Bistatic)
Electronic Power	DC9V
Communication Interface	RS-232 OR TCP/IP[2Port] (Option : W-LAN[Bistatic only])
Dimensions	304×203×69(mm)
Protocol	ISO18000-6C EPC Class 1 Gen2
DIO Port	4 Input , 8 output
Operating Temp.	-10℃ ~ 60℃

- External Antenna type
- Support 4 Channel (Max.)

REM900-MCR1



Specification

Operating Frequency	UHF
Channel No.	18Ch
Electronic Power	DC9V
Communication Interface	TCP/IP (Option : W-LAN)
Dimensions	330×160×77(mm)
Protocol	ISO18000-6C EPC Class 1 Gen2
RF Output Power	30dBm
Operating Temp.	-10℃ ~ 60℃

- External Antenna type
- Support 18 Channel (Max.)
- Channel Selectable (Option)

Juno7-900W



Specification

Operating Frequency	UHF
Wireless	W-LAN (802.11b/g)
Battery	DC 3.7V Li-ion
Protocol	ISO18000-6C, EPC Class1 Gen2
Dimensions	115×66×22.5(mm)
Operating Temp.	-10℃ ~ 60℃

- Portable RFID Reader
- Design for user convenience

UHF

RIM900



Specification

Operating Frequency	UHF
Channel No.	1Ch OR 2Ch OR 4Ch OR Internal type
Electronic Power	DC 9~ 24V
Communication Interface	RS- 232 (Option : TCP/ IP OR W-LAN)
Dimensions	120×120×40(mm)
Protocol	ISO18000-6C EPC Class 1 Gen2
DIO Port	1 Input, 1 Output
Operating Temp.	-10℃ ~ 60℃

- External Antenna type

MODR900-USB

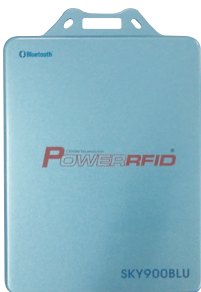


Specification

Frequency	UHF
Communication Interface	USB
Protocol	ISO18000-6C EPC Class1 Gen2
Dimensions	80×100×35(mm)

- USB type RFID Reader
- Internal Antenna type

SKY900BLU



Specification

Operating Frequency	UHF
Interface	Bluetooth
Electronic Power	Battery(5V)
Protocol	ISO18000-6C EPC Class1 Gen2
Dimensions	95×65×10(mm)
Operating Temp.	-10℃ ~ 60℃

- Bluetooth type RFID Reader
- Internal Antenna type



SD900



Specification

Operating Frequency	UHF
Communication Interface	SDIO
Dimensions	67×25×6(mm)
Protocol	ISO18000-6C EPC Class 1 Gen2
Operating Temp.	-10℃ ~ 60℃

- SD slot Type Reader
- Interface With a PDA

SKY900D



Specification

Operating Frequency	UHF
Electronic Power	DC 3.3V
Dimensions	35×45×15(mm)
Protocol	ISO18000-6C EPC Class1 Gen2
Operating Temp.	-10℃ ~ 60℃

- Mobile RFID Reader

SKYdual



Specification

Operating Frequency	13.56MHz /UHF
Electronic Power	DC 3.3V
Dimensions	25×25×12(mm)
Protocol	ISO15693, I-CODE (SL2) / ISO18000-6C EPC Class1 Gen2
Operating Temp.	-10℃ ~ 60℃

- The smallest Mobile RFID Reader

13.56MHz

DSC1356



Specification

Operating Frequency	13.56MHz
Electronic Power	DC 12V
Communication Interface	RS-232 (Option : TCP/IP)
Dimensions	155 × 130 × 30(mm)
Protocol	ISO14443A
Operating Temp.	-10℃ ~ 60℃

- Internal Antenna type

Juno7-1356W



Specification

Operating Frequency	13.56MHz
Wireless	W-LAN (802.11b/g)
Battery	DC 3.7V Li-ion
Protocol	ISO15693, I-CODE(SL2) OR ISO14443A
Dimensions	115 × 66 × 22.5(mm)
Operating Temp.	-10℃ ~ 60℃

- Portable RFID Reader
- Design for user convenience

DSC1356A



Specification

Operating Frequency	13.56MHz
Electronic Power	DC12~48V
Communication Interface	POE (TCP/IP)
Dimensions	120 × 120 × 35(mm)
Protocol	ISO14443A
Operating Temp.	-10℃ ~ 60℃

- Internal Antenna type
- POE Power use

13.56MHz

CRE1356PLUS



Specification

Operating Frequency	13.56MHz
Channel No.	1Ch OR 2Ch
Electronic Power	DC5V
Communication Interface	RS-232 (Option : TCP/IP)
Dimensions	160×90×35(mm)
Protocol	ISO15693, I-CODE(SL2)
Operating Temp.	-10℃ ~ 60℃

- External Antenna type

CRI1356



Specification

Operating Frequency	13.56MHz
Electronic Power	12V
Communication Interface	RS-232 (Option : TCP/IP)
Dimensions	74.5×67.5×26.5(mm)
Protocol	ISO15693, I-CODE(SL2)
Operating Temp.	-10℃ ~ 60℃

- Internal Antenna type

DAC1356



Specification

Operating Frequency	13.56MHz
Electronic Power	DC12V
Communication Interface	RS-232 (Option : TCP/IP)
Dimensions	120×120×35(mm)
Protocol	ISO15693, I-CODE(SL2) OR ISO14443A
Operating Temp.	-10℃ ~ 60℃

- Internal Antenna type

13.56MHz

DAC1356-C/RC



Specification

Operating Frequency	13.56MHz
Electronic Power	220V Input (Internal DC12V)
Communication Interface	RS-232 (Option : TCP/IP)
Dimensions	390×260×120(mm)
Protocol	ISO15693, I-CODE(SL2)
DIO Port	RJ45 (1 Port)
Operating Temp.	-10℃ ~ 60℃

- Internal Antenna type
- Construction entrance and exit management
- Remicon vehicle entrance and exit management

RIM1356



Specification

Operating Frequency	13.56MHz
Electronic Power	DC5V
Communication Interface	RS-232 (Option : TCP/IP[External type])
Dimensions	60×60×10(mm)
Protocol	ISO15693, I CODE(SL2)
Operating Temp.	-10℃ ~ 60℃

- Internal Antenna type

REM1356-3HM



Specification

Operating Frequency	13.56MHz
Channel No.	3Ch
Electronic Power	DC5V
Communication Interface	RS-232 (Option : TCP/IP)
Dimensions	160×90×35(mm)
Protocol	ISO15693, I-CODE(SL2)
Operating Temp.	-10℃ ~ 60℃

- External Antenna
- Design for Factory automation

13.56MHz

REM1356DS

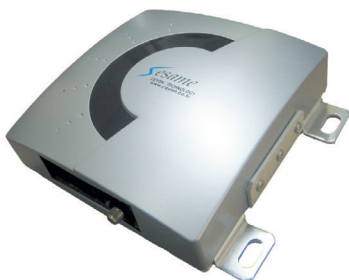


Specification

Operating Frequency	13.56MHz
Channel No.	1Ch
Electronic Power	DC12V
Communication Interface	RS-232 (Option : TCP/IP)
Dimensions	160×90×35(mm)
Protocol	ISO15693, I-CODE(SL2)
DIO Port	2 Input , 1 output
Operating Temp.	-10℃ ~ 60℃

- External Antenna
- Design for Factory automation
- Support Digital I/O port

REM1356LR



Specification

Operating Frequency	13.56MHz
Channel No.	1Ch / 2Ch
Electronic Power	DC12V
Communication Interface	RS-232 (Option : TCP/IP)
Dimensions	120×120×35(mm)
Protocol	ISO15693, I-CODE(SL2)
Operating Temp.	-10℃ ~ 60℃

- External Antenna type
- Long Range Reader
- Design for Factory automation

SD1356



Specification

Operating Frequency	13.56MHz
Communication Interface	SDIO
Dimensions	67×25×6(mm)
Protocol	ISO15693, I-CODE(SL2)
Operating Temp.	-10℃ ~ 60℃

- Interface With a PDA
- SD slot Type Reader

125kHz

RIM125

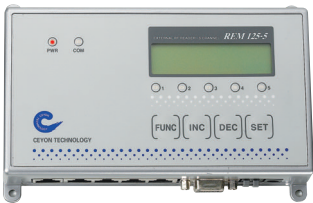


Specification

Operating Frequency	125kHz
Electronic Power	DC 12 ~ 24V
Communication Interface	RS-232 OR RS-422 OR RS-485
Dimensions(WxDxH)	80×100×35(mm)
Operating Temp.	-10℃ ~ 60℃

- Internal Antenna type

REM125



Specification

Operating Frequency	125kHz
Channel	5Ch (Max.)
Electronic Power	DC 12V
Communication Interface	RS-232 OR RS-422
Dimensions(WxDxH)	160×90×35(mm)
LCD type	16×2 Line 32 Character display
Operating Temp.	-10℃ ~ 60℃

- External Antenna type
- LCD for user's convenience
- Support various shape of antenna

WIM125



Specification

Operating Frequency	125kHz
Channel	1Ch
Electronic Power	DC12V
Communication Interface	RS-232 OR RS-422 OR RS-485
Dimensions(WxDxH)	160×90×35(mm)
LCD type	16×2 Line 32 character display
I/O Port	Keyboard, Antenna, Serial Port
Operating Temp.	-10℃ ~ 60℃

- External Antenna type
- LCD for user's convenience
- Support various shape of Antenna

125kHz / 134kHz

DAC125



Specification

Operating Frequency	125kHz
Electronic Power	DC 9V
Communication Interface	RS-232 OR RS-422 OR RS-485
Dimensions(WxDxH)	120×120×35(mm)
Operating Temp.	-10℃ ~ 60℃

- Internal Antenna type
- Broadcast(1~256)

Juno7-125W/134W



Specification

Operating Frequency	125kHz / 134kHz
Wireless	W-LAN(802.11b/g)
Battery	DC3.7V Li-ion
Protocol	125kHz : CEYON Protocol 134kHz : TI Protocol
Dimensions	115×66×22.5(mm)
Operating Temp.	-10℃ ~ 60℃

- Portable RFID Reader
- Design for user convenience

REM134



Specification

Operating Frequency	134kHz
Channel No.	4Ch(Max.)
Electronic Power	DC12 ~ 24V
Communication Interface	RS-232 OR RS-422 (Option : TCP/IP)
Dimensions	160×90×35(mm)
I/O Port	TCP/IP 1Port, RS-232 1Port
Operating Temp.	-10℃ ~ 60℃

- External Antenna type
- Support 4 Channel (Max.)

Controller

TRA-5



Specification

Operating Frequency	125/134kHz
LCD	16×2 Line Character LCD
Electronic Power	DC12V
Communication Interface	RS-232 OR RS-422 OR RS-485
Dimensions	160×90×35(mm)
Operating Temp.	-10℃ ~ 60℃

- Interface & Control 5 Reader
- Data Display on LCD
- Easy Operation of LED
- Support for data filtration & Multiplexing

Active RFID

BST245-V



Specification

Operating Frequency	2.45GHz (IEEE 802.15.4a Compliant)
Modulation	Chirp Spread Spectrum
Multiplex Access	CSMA/CA
Power Supply	AC110~220V (50~60Hz)
Dimensions	160×260×90(mm)
Operating Temp.	-10℃ ~ 60℃

- Use for short range telecommunication
- Possible to recognize
- Vehicle ID in 200km/h
- MIC Certification

AT245-V/P

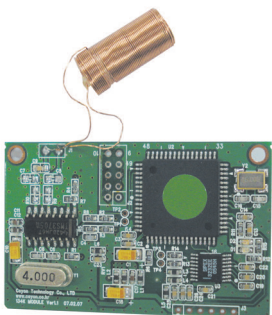


Specification

Operating Frequency	134kHz
Channel No.	4Ch(Max.)
Electronic Power	DC12 ~ 24V
Communication Interface	RS-232 OR RS-422 (Option : TCP/IP)
Dimensions	160×90×35(mm)
I/O Port	TCP/IP 1Port, RS-232 1Port
Operating Temp.	-10℃ ~ 60℃

- External Antenna type
- Support 4 Channel (Max.)

Module



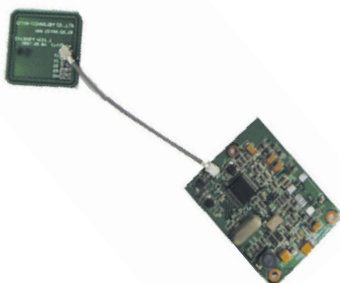
125/134kHz

Model	MOD125P/MOD134P
Frequency	125/134 kHz
Communication Interface	RS-232 (TTL OR CMOS)
Dimensions	72×52×10(mm)



13.56MHz

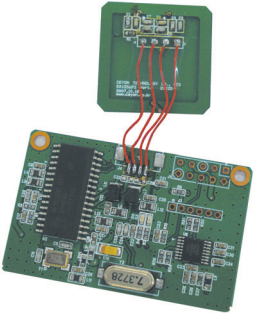
Model	MOD1356C
Frequency	13.56MHz
Communication Interface	RS-232 (TTL OR CMOS)
Protocol	ISO15693, I-CODE(SL2)
Dimensions	38×58×8(mm)



13.56MHz

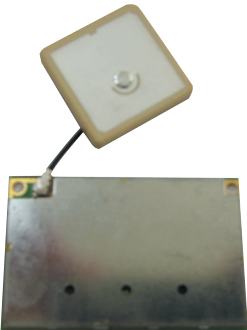
Model	MOD1356I
Frequency	13.56MHz
Communication Interface	RS-232
Protocol	ISO15693, I-CODE(SL2)
Dimensions	30×40×5(mm)

Module



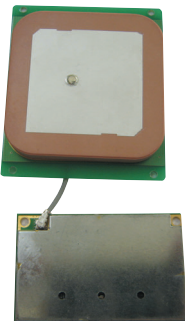
13.56MHz

Model	MOD1356P
Frequency	13.56MHz
Communication Interface	RS-232 (TTL OR CMOS)
Protocol	ISO15693, I-CODE(SL2)
Dimensions	72×52×10(mm)



UHF

Model	MOD900P1
Frequency	UHF
Communication Interface	RS-232
Protocol	18000-6C Class1 Gen2
Output Power	23dBm(MAX)
Dimensions	72×52×10(mm)
Antenna	25×25(mm)



UHF

Model	MOD900I2
Frequency	UHF
Communication Interface	RS-232
Protocol	18000-6C Class1 Gen2
Output Power	23dBm(Max.)
Dimensions	72×52×10(mm)
Antenna	50×50(mm)

Juno7

125kHz/134kHz/13.56MHz/UHF

Juno7 Series is the industry's first portable reader that fits into your pocket. Exclusively designed to read/write and process RFID operations, you can conveniently carry it anywhere in working places to collect and update the information.



- ✓ Easy to carry
- ✓ Easy to use
- ✓ Easy to Integrate

Wireless	W-LAN (802.11b/g)
Battery	DC 3.7V Li-ion
Protocol	Juno7-125W : CEYON Protocol Juno7-134W : TI Protocol Juno7-1356W : ISO15693, I-CODE(SL2) / ISO14443A Juno7-900W : ISO18000-6C EPC Class 1 Gen 2
Dimensions	115 × 66 × 22.5(mm)
Operating Temp	-10℃ ~ 60℃



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