

Radionode365 SaaS

Temperature & Environment Monitoring



C Radionode 365

Dekist corp.

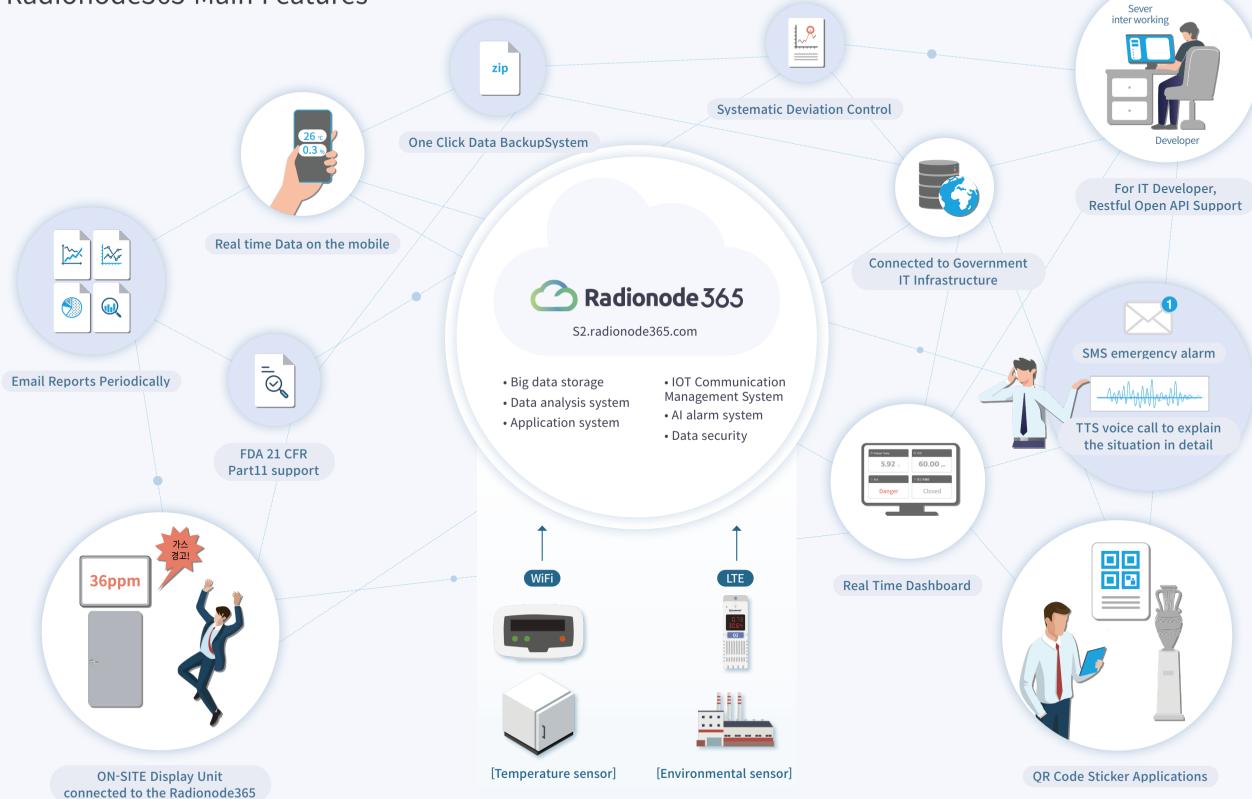
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www.radionode365.com

Radionode365

Radionode365 Main Features



Applications

Field Applications Using Radionode365 Cloud

Environmental Safety



Vaccine Management



Facility Management



Cold Chain



Electronics Industry



Smart Farm



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Radionode365 is always with you

"

To date, Radionode365 has measured and recorded customer's assets more than 3 billion times.

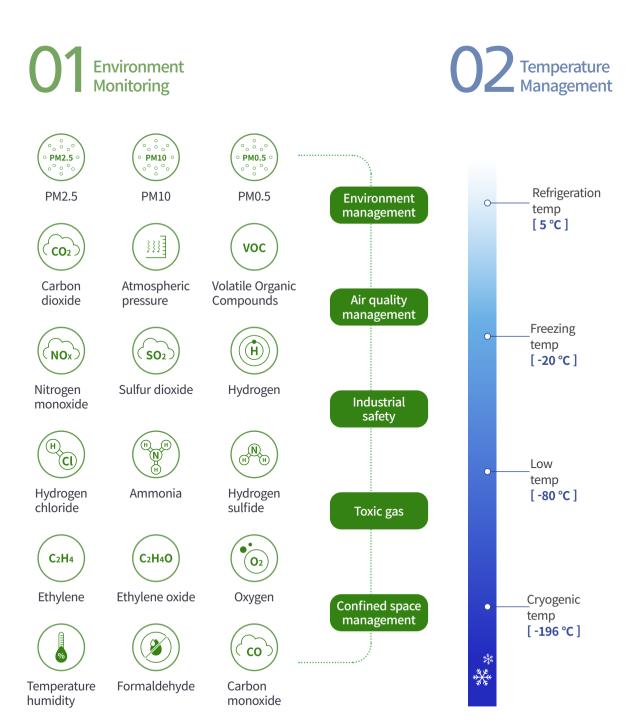
Also,we informed them by detecting 540 thousand risks per year.

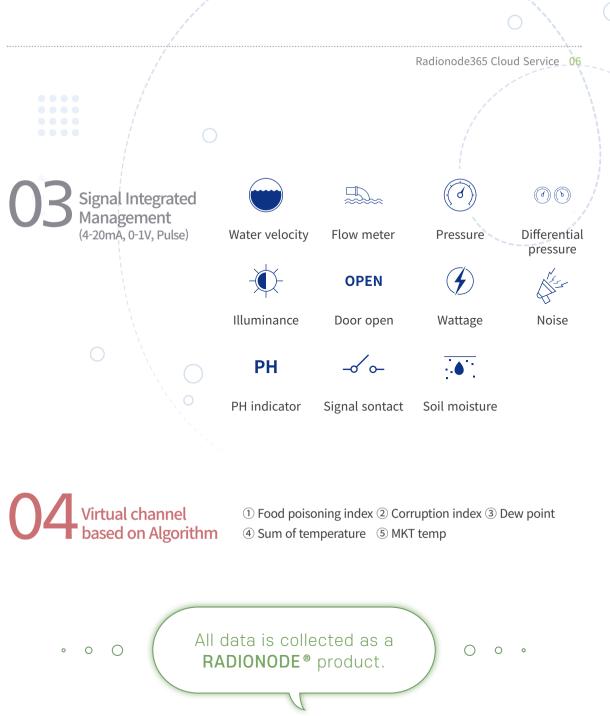
We are currently reporting risks over 6,400 facility managers in real-time while remotely monitoring temperature, humidity, and gas more than 3,000 times with 12,400 sensors. Now It's time to monitor your assets with Radionode365.

[As of 31st December 2021]

Monitoring

What sensors Radionode365 has been monitoring







◆ Running Total Widget

Water Level value will be sent to you via SMS

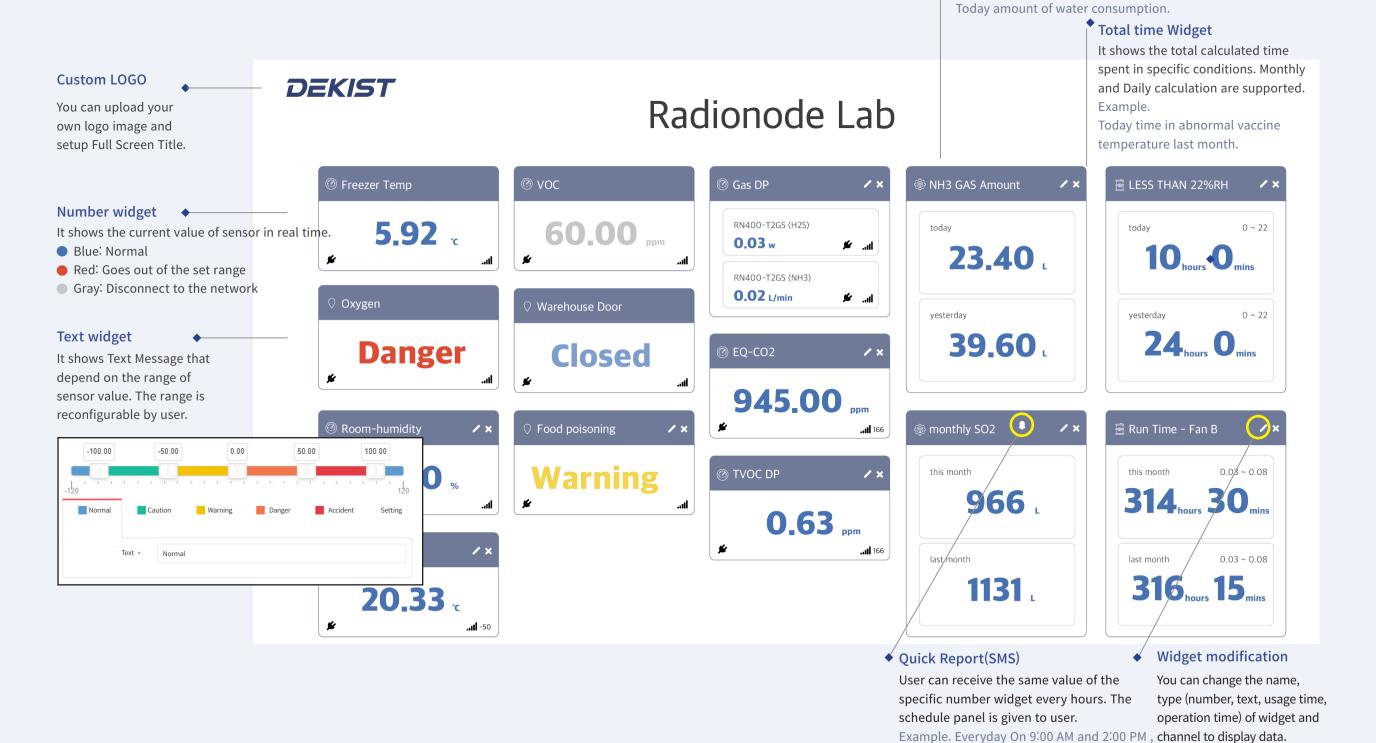
supported. Example.

It shows the accumulated sensor value such as flow

meter or watt-hour. Monthly and Daily calculation are

Dashboard

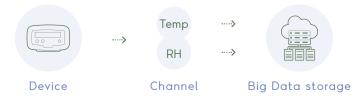
Makes your own sensor monitoring dashboard on Web Browser.



Channel & Device

Simply 4 Digit I-Code make Radionode Sensor added on Radionode365 Cloud.

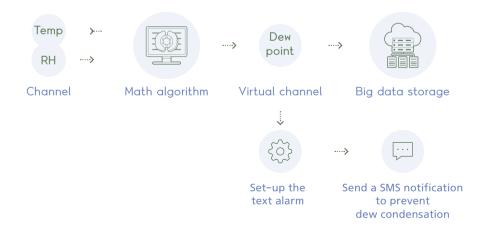
What is channel? What is device? The device is hardware product. The channel is sensor data source that belong to the device. Radionode365 manage the sensor data as a channel. For example, Adding one wireless thermo-hygrometer, one hardware device and two channel (temperature and humidity) could be created.



Virtual channel

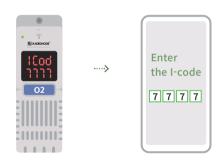
Virtual Channel is real time calculating channel that consist of real channel such as temperature. calculating value is recorded in big data storage in the same way as the real channel. the formula of calculation is user defined LUA script language.

SMS / Phone Call Alarm Rules can be set up on Virtual Channel just like real channel.



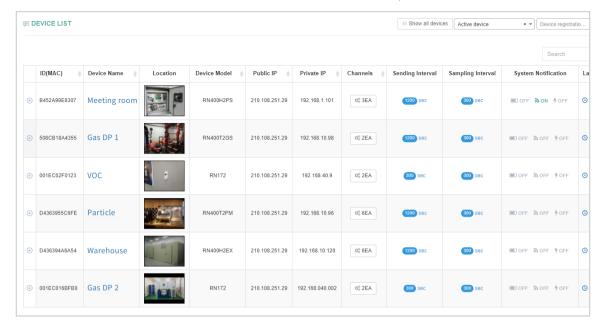
Add a device

It automatically recognizes when you enter I-Code number on the add device screen.



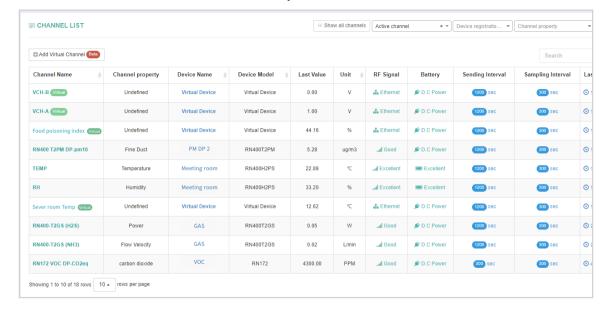
Device Information

All the device of your Radionode365 account can be listed on this page. It shows that Device unique ID, Name, IP address, sending rate, sampling rate, Picture of installation location and number of channels, update time.



Channel Information

All the channel of your Radionode365 account can be listed on this page. It shows Name of channel, Update time and sensor current value. On this page, virtual channel can be created by user.



Many types of view chart helps you understand your data

[Basic chart]

Basic chart of Raw sensor data by time. Time Range are 24 Hours, One Week, One month



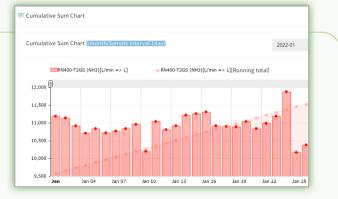


[Data comparison chart]

More than two sensor data can be compared. The average value will be used.

[Cumulative sum chart]

Daily or Hourly Cumulative Summation unit will be shown in form of Bar chart. Also Running total line chart will be drawn during a month or a day.



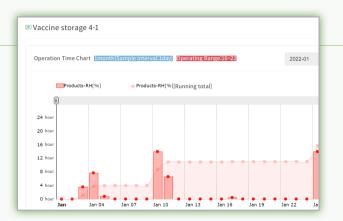
Operation Time Chart Imonth(Sample interval Iday) Operating Range 18-34 2022-02 Products-RH(%) RH(%) Products-RH(%) gunning total RH(%) Bunning total RH(%) Bunning total 16 hour 12 hour 16 hour 19 hour 50 hour 50

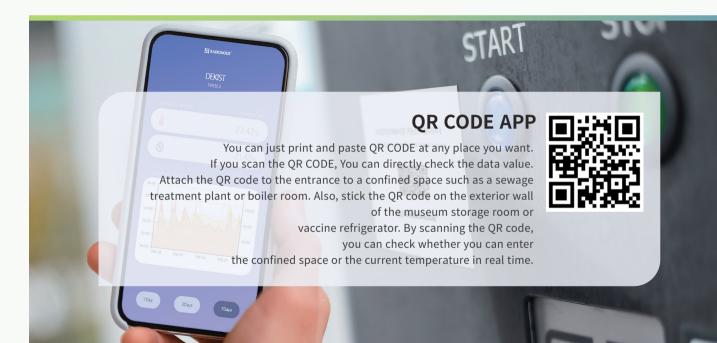
Operation time chart 1

We shows the operating time of a particular device. The bar graph represents the operating time per unit hour. For example, the daily pump operating time is indicated by a bar.

[Deviation time chart]

Cumulative Time spent in the middle of deviation.
For example, You can see how long time your vaccine exposed to dangerous temperature.





Radionode365 notification does not bother you

Radionode365 service sends real-time alarm to you and your employees.

The Emergency alarm service provides the following functions.

- TTS voice generation engine supports multilingual voice.
- Warning notifications via voice phone call
- You can check whether emergency call is received.
- Warning notifications via SMS or Voice phone call when set ranges exceeded
- We manage all detected risks with a history.
- Alarms are sent with various exception conditions as well as threshold settings.



When can I receive a notification?

When set ranges exceeded

Out of battery

When sensor information is not collected

When there's a power outage in workplace

How do you send the notifications?

Warning notification via voice phone call

Sending a simple text message

Sending a warning email

Recording a history

Many exception rule of notification



Don't notify me on Monday



Prevent notifications on holidays depending on the shift hours.



Don't notify him during 9am to 6pm





Don't send me duplicated message during two hours.



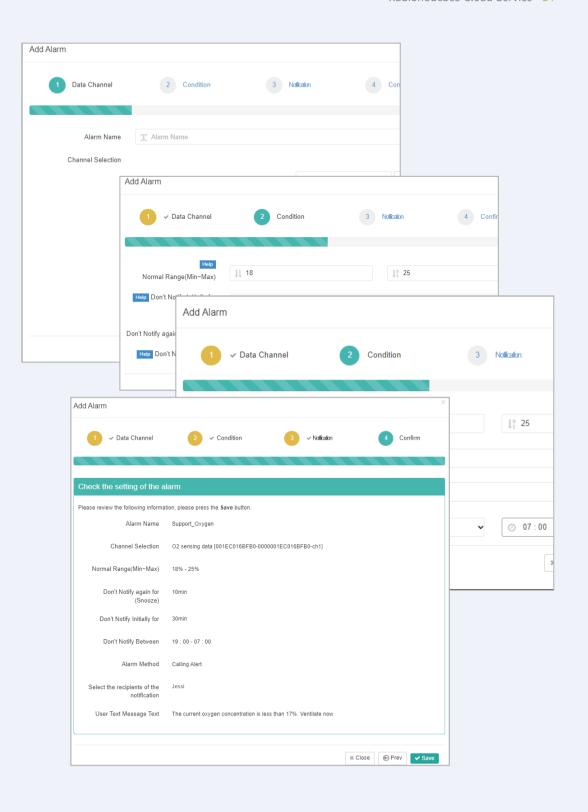
Prevent duplicate notifications during restoration work.



Considering for 30 mins before sending the first alert.



Prevent notification when taking out vaccines from the refrigerator.

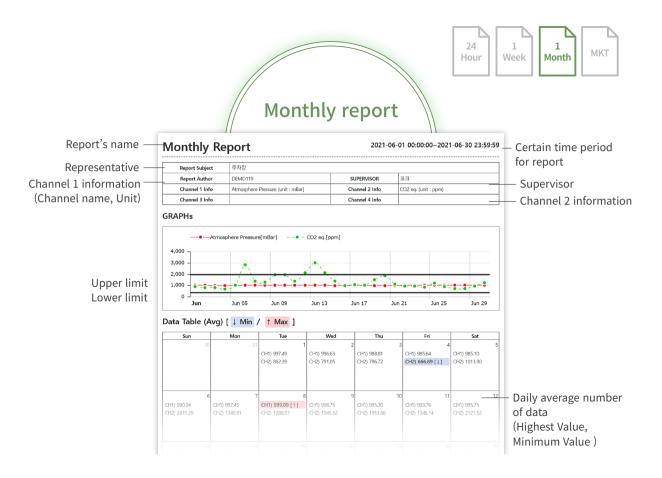


[Radionode365 alarm setting process]

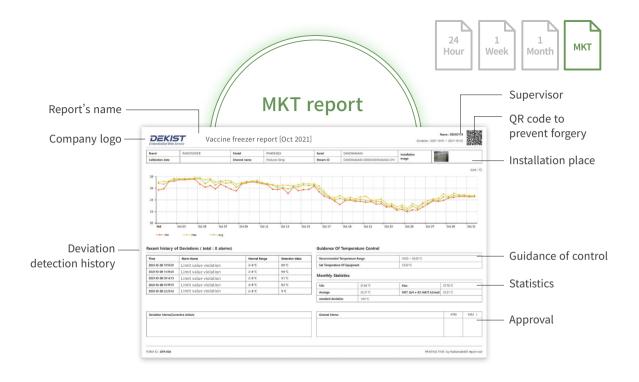
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please EMAIL me the monthly report of this freezer every first day of the month.

Support various report forms(daily, weekly, monthly, MKT, Deviation Control), Report forgery prevention function, Reservation for email sending time.



- Daily reports and weekly reports are also provided.
- It provides a linear, territorial, and vertical bar chart.
- When setting up an email sending reservation,
 we will send you a report by email at reservation time.



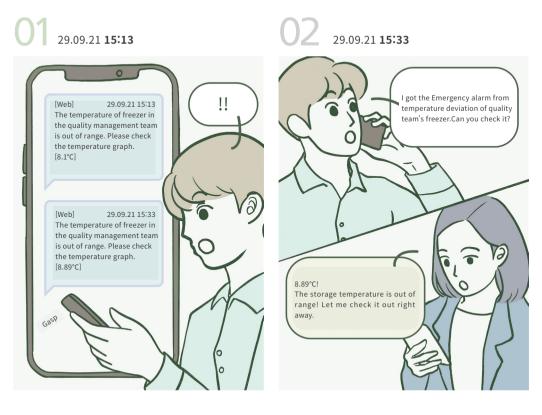
* What is MKT(Mean Kinetic Temperature)?

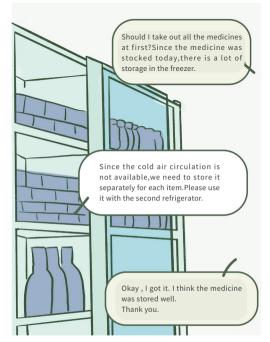
Mean kinetic temperature (MKT) is a simplified way of expressing the overall effect of temperature fluctuations during storage or transit of perishable goods. The MKT is widely used in the pharmaceutical industry. MKT is defined as "a single calculated temperature at which the total amount of decomposition over a specific period is equal to the sum of individual decompositions to occur at various temperatures. -It is extracted from ECA Academy -

Radionode365 manage and follow up all the deviation case.

Deviation is a case for temperature or gas concentration to exceed a guideline. Abnormal temperature of vaccine is said the deviation is occured. As well as notification, Radionode365 look into the case of deviation and help user to manage them and prevent them in the future.









Data Integration Management

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Restful OPEN API allow you data integration

Open API

► Radionode365 Provide Open API for easy data integration. you can easily integrate lot sensor data on your IT infra structure



How to use

Once you make Eco Plan or higher payment, You can get an open API key from your account information

Use authentication key

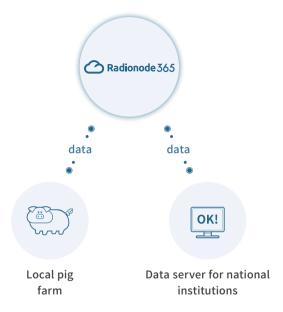
- The output format of Tapaculo365 OpenAPI supports JSON/XML.
- * It provides up to 24 hours of data.
- Limit on the number of calls per minute by IP: 10 times maximum.

 (If you call more than 10 times a minute on the same IP, you'll be blocked for 1 minute)

Data Connection with State Institution

▶ We support government agencies' IT information systems.

South Korea's Livestock Environment Management Agency, EPIS Agriculture, Forestry and Fisheries Food Education and Culture Information Center is participating in ICT projects. If you subscribe to the dedicated service product, you can use the data linkage service.



Credit Radionode365 Cloud Service 20

SMS Notification, Email-Report and Phone call alert will deduct your credits.

Analysis for amount of credit usage

► When you look at the credit usage chart, You can easily set the budget for disaster prevention.

You can figure out when many accidents occur in a year and prevent them in advance. Make a budget to prevent accidents in advance with immediate response. You can also store evidence of spending charged with credit charging.



Credit charge

You can decide the type and amount of credit you want to top up and pay directly with your credit card at any time

Don't miss important notifications that tell you the current status of your valuable assets.

Credit List	Deductions List	USD 10	USD 30	USD 50	USD 100
SMS	Threshold Deviation & Device Manegement Notification	90	280	520	2,000
CALL	Threshold Deviation Notification	50	160	300	1,000
E-MAIL	Threshold Deviation & Device Manegement Notification, Report	200	1000	2500	10,000

Service charge

Choose the service plan that's best for you. You can pay by credit card and use it right away.

» Radionode365 plan (Annual Fee)

Just sign-in to Radionode365 for remote integrated management. No matter where you are, The place where you are is the work place.

	FREE	WHITE	ECO	SILVER	GOLD
Data storage	15 days	20 channels (for 3 years)	40 channels (for 3 years)	80 channels (for 3 years)	160 channels (for 3 years)
Rea Time Dashboard	0	0	0	0	0
Data comparison chart	Only 24 Hour Data	All Data	All Data	All Data	All Data
Data Download	-	0	0	0	0
Daily Report	0	0	0	0	0
Weekly Report	-	0	0	0	0
Monthly Report	-	0	0	0	0
MKT Report	-	0	0	0	0
Deviation Management	-	-	0	0	0
SMS Notification	Available for charging	1000 per year	2000 per year	4000 per year	5000 per year
Voice call Notifications	Available for charging	500 per year	500 per year	1000 per year	1500 per year
E-mail Notifications	Available for charging	500 per year	2000 per year	4000 per year	10000 per year
Service use history	1day available	0	0	0	0
Authority division	-	Representative/ User(1/1)	Representative/ User(1/2)	Representative/ User(1/5)	Representative/ User(1/20)
Simultaneous Login	-	0	0	0	0
Power outage Alerts	-	0	0	0	0
Virtual Channel	-	0	0	0	0
OPEN API	-	-	0	0	0
Subscription fee	-	US\$200/Yearly	US\$330/Yearly	US\$660/Yearly	US\$1,200/Yearly

^{*} Once you join Radionode354, you will registered as a free member.

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» Radionode365 Custom plan

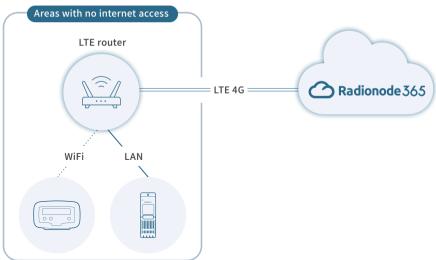
We can design a new subscription plan just for you. If you only need email reports, Radionode 365 can create a custom plan that's right for you with 0% text or phone credit and 100% email credit.

Alternatively, you can get a custom plan that only expands the number of channels without alarm credits.

» Radionode365 LTE Plan

If there is no internet or it is difficult to use the internet for security reasons, add LTE service to about 8,000 won per month. (No need for a separate contract with a telecommunication company)

Leverage Radionode LTE plan



Service	Price	Amount of data (@5mins)
LTE Router L1	8,000 won/month, [192,000 won]	About 2 Radionodes
LTE Router L2	10,500 won/month, [252,000 won]	Less than 10 Radionodes
LTE Router L3	13,500 won/month, [324,000 won]	10+ Radionodes

^{*} This service is offered on a two-year contract upon initial subscription.

^{*} Credit card and Voucher payment is available.

^{*} If you select Automatic Extension at the first payment, the payment method will be automatically renewed every year during the valid period.

^{*} After that, the contract can be renewed in increments of one year.

^{*} This is the price list for the standard amount in Korea, and the rate may vary by country.