



ASSET TRACKING SYSTEM

Asset Tracking System helps the items stay in the desired locations by tracking the location of the fixed and moving items. It also performs the inventory counts. By this system, items that are critical for diagnosis, treatment or emergency interventions, as well as fixtures, assets and any other items can be easily tracked and controlled.

Asset tracking is handled with two ways. Active tracking and passive tracking. In active tracking, the CALLVISION Active Label device is attached to the moving items. This device transmits instant location information to CALLVISION RF Location Scanners. If Active Label is removed, it sends a warning to the system. Battery powered Active Tags do not need to change batteries for a long time thanks to their low energy consumption. The system warns when the batteries are about to run out.

In passive tracking, passive RFID tags are attached to the items. The items tagged are identified on the rooms/spaces with the CALLVISION Handheld Terminal device. When a count is started, the authorized personnel points the Hand Terminal device from the door of the room towards the room and shows it around. By the RFID system, the items in the room, the items that should be in the room but not in the room, and the items found in the room when they should be in another room are shown on the Hand Terminal screen. The same information can be accessed from the C4S system.

In addition, in passive RFID tracking, reader antennas are placed at the exit doors of the hospital to provide a warning in case of theft. This prevents the tagged devices from being stolen.

Benefits of CALLVISION Asset Tracking System

- Both active and passive RFID support
- Instant location calculation
- The ability to be monitored on the instant map in case of need
- Long battery life with sensitivity to motion,
- Can be applied to any device with small and large size options
- Passive mode makes it easy to count inventory
- Anti-theft detection feature
- Low infrastructure cost with RF technology
- Easy monitoring with C4S system, instant alarm usage
- Easy installation, easy activation
- Easy configuration with CALLVISION hand terminal

SYSTEM UNITS

- Active Tracking Tag
- Passive RFID Tag
- RF Location Scanner
- Handheld terminal
- C4S software Command Control Communication and Code System



SYSTEM UNITS

1. Active Tracking Tag

CALLVISION Active Tracking Tags are designed for tracking fixed items, movable items, inventory or items of any desired type. Active Tags that are affixed to the item to be tracked provide the realization of real time location tracking by sending wireless (RF) signals to the CALLVISION RF Location Scanner periodically or action-oriented. The location is updated when the motion is started, finished, or when the person carrying the device rotates. If the active tag is removed from the item it is attached to without permission, a call is sent to the system. In CALLVISION systems, this call is indicated as "Brown Code" and indicates unauthorized displacement / theft.

CALLVISION Active Tracking Tags are provided as two separate tags for large items and small items. The battery life of Active Tags is 5-10 years, depending on environmental conditions. Excessive dust, environmental temperature fluctuations, and humidity can reduce battery life. The Active Tag product also contains an RFID passive tag. During the installation, CALLVISION Active RFID Tag products are delivered to the field without being activated, and then the activation process is started with the CALLVISION Handheld Terminal.

TECHNICAL SPECIFICATIONS

ACTIVE TAG - SMALL	
Dimensions	50x50x15mm
Battery	CR2450/575mAh
RF (configurable with Handheld Terminal)	433/868MHz
Default Data Rate	38400bps
Data Speed Range (configurable with Handheld	19200-300000bps
Terminal)	
Output Power	10mW
Operating Voltage	1.8-3.6V

ACTIVE TAG - BIG	
Dimensions	70x90x25mm
Battery	LS17500/3600mAh
RF (configurable with Handheld Terminal)	433/868MHz
Default Data Rate	38400bps
Data Speed Range (configurable with Handheld	19200-300000bps
Terminal)	
Output Power	10mW
Operating Voltage	1.8-3.6V



2. RF Location Scanner

CALLVISION RF Position Scanner series products provide wireless data transfer in 433 / 868MHz band. CALLVISION RF Position Scanner is the main part of the RFID system and works as a base station.

CALLVISION RF Location Scanner series products decode and process the encrypted codes coming from CALLVISION active code generating devices and transmit them to the center or nearest CALLVISION RF Location Scanner. It allows configuration with passive antennas on it.

CALLVISION RF Position Scanner series products provide wireless transmission of incoming codes to the center via Ethernet. It receives data from devices broadcasting in the 433 / 868MHz band. It uses protocols and encryption algorithms specially developed for bandwidth, security and energy consumption. The data of these devices can be monitored and controlled by the system.

In order to use CALLVISION RF Location Scanner series products, their locations and device-specific IDs must be registered in the CALLVISION Command Control Communication and Code System. In this way, it is possible to use indoor location scanning features.

Technical Specifications

RF Location Scanner – NW

RF Location Scanner NW product has 2 inputs. One of them is the power connection and the other is the data cable connection. The data cable to be used must meet 100Mbps Ethernet standards and be connected directly to the network where the CALLVISION system is located.

RF Location Scanner – SF

Since the RF Position Scanner SF product is used for repeater purposes, it has 1 input. This input is the supply input and must be powered by a 9 Volt adapter. RF Location Scanner SF decodes the incoming RF packet and repeats it if the replay conditions are provided.

RF Location Scanner - DR

RF Location Scanner DR product has 3 inputs. These are dry contact relay outputs for power connection, data cable and doors. The data cable must be the provider of 100Mbit Ethernet standards and must be connected directly to the network where the CALLVISION system is located. The relay output is designed for doors with card system, and these doors must be connected to the control outputs.

RF Location Scanner - DC

RF Location Scanner DC product is positioned at the door exits of the pink code regions with its specialized software. RF Location Scanner DR connects to RF Location Scanner DC with Cross CAT cable. When a baby with the Callvision Baby Bracelet approaches the door without permission, it transmits the door-closing signal and the card reader is disabled until the baby leaves, the door is locked. When the baby



leaves, the card reader is activated again after 15 seconds and the door can be opened. In addition, an optional over-door lamp is integrated and the red LED is lit when the door is locked.

Product Order Code	Wireless Data Transfer		Data Output	Repeater Feature	Over Door Warning Lamb
RF Location Scanner - NW	Yes	No	Yes	No	No
RF Location Scanner - SF	Yes	No	No	Yes	No
RF Location Scanner - DR	No	Yes	Yes	No	No
RF Location Scanner - DC	Yes	No	Yes	No	Optional

Supply Voltage	5-9V DC	
Energy Supply	Adapter	
Dimensions	125x95x35mm	

Feature	Lowest	Typical	Highest	Unit
Supply Voltage	5	5	9	V
RF Output Power		10		dBm
RF Operating Frequency	-	433/868	-	MHz
Current Value NW	80	150	250	mA
Current Value SF	50	80	120	mA
Current Value DR	60	120	200	mA
Operating Temperature Conditions	0	-	70	°C
Storage Temperature Conditions	-40	-	85	°C

3. Handheld Terminal

The Callvision Handheld Terminal Product is used to activate the items to be tracked in the hospital, to register the location and inventory counts. The items registered to the system can be monitored through the c4s Command Control Communication and Code System, and the location of the item can be easily found.

4. C4S- Command, Control, Communication and Code System



C4S Command, Control, Communication and Code System is a code system in which CALLVISION products are commanded and controlled and responsible for the communication of some products with each other. C4S is a web-based system built on the server, so C4S can be accessed by any device (computer, phone, tablet) on the same network as the C4S server.

C4S system can be accessed with many security levels, The systems and pages that normal users, technicians, security guards and administrators can access in the system are different. There are 5 different main systems in C4S, these are Active Tracking, Passive Inventory Tracking, Medical Gas, It Board and Management pages.

C4S Active Tracking

On the C4S Active Tracking page, CALLVISION products; Instant locations of Smart Badges, Nurse Smart Badges, Active Item Tracking Devices, Mother Bracelets and Baby Bracelets; It can be viewed in 2D on the exact plan of the hospital. In addition, the data of codes, alarms or warnings started from these devices is instantly available on this page as location and time data. Position accuracy and final positions of each active device can also be examined in detail on this page.

C4S Passive Inventory Tracking

On the C4S Passive Inventory Tracking page, the code statuses developed by CALLVISION, such as whether the inventories registered in each location are in the correct locations as a result of the counts or are missing in the site, can be examined on a site-based basis. In addition, developed code statuses, for example, the missing inventory code at the site or the inventory code that was counted both at the location where it was registered and in another location in the previous count can be examined with time data on the page as an alarm or warning on the page.

C4S Medical Gas

On the C4S Medical Gas page, the pressure and alarm values of the gas panels and meters in the hospital can be viewed instantly and in 2D on both the chart and the hospital's exact plan. Alarms and warnings such as the alarm conditions of gas panels and meters and whether the communication with these devices is healthy can be viewed on the page based on time and location.

C4S IT Panel

On the C4S IT Board page, the values of the it panels in the hospital can be viewed instantly and in 2D on both the chart and the hospital's exact plan. Alarms and warnings such as the alarm status of the IT Panels and whether the communication with these devices is healthy can be viewed on the page according to time and location.



C4S Management Page

On this page, there are pages on which operations such as activation of Smart Badges, Nurse Smart Badges, Active Item Tracking Devices, registration and name information of these devices will be performed. In addition, the time of past alarms and there are pages that can be examined based on location. The locations of RF Location Scanner IP, RF Location Scanner RP and Room Control Panels, connection status, last established communication times can also be examined on this page.

C4S Smart Instructions

Based on the data obtained by C4S users, how long and distance personnel or devices move, can be reported according to required parameters. In the C4S passive inventory tracking system, it can provide instructions to the counting staff on which location and inventory to give priority.

Note: These instructions may vary depending on the C4S package received.

TECHNICIAL SPECIFICATIONS

C4S SERVER MINIMUM SYSTEM REQUIREMENTS		
Operating System Linux		
Processor	4 core*, 8 core**	
Memory	8GB*, 16GB**	
Storage 1	50GB SSD	
Storage 2	1TB HDD	



EMERGENCY CODE SYSTEMS

When emergency codes are initiated as a call from anywhere in the hospital or health center, it indicates that there is an emergency at that point according to the content of the call. When the call is initiated, information is sent to the previously organised units and the hospital can intervene in the relevant event immediately. Emergency Codes are expressed in colors and a separate common number is determined for each color code by the National Color Codes standard. The most common codes are explained below:

- Blue Code: Represents the presence of patients, relatives or hospital staff who need urgent medical attention.
- White Code: It represents the existence of violence against hospital staff.
- Pink Code: It represents the presence of an abduction attempt or abduction of an infant or child patient in hospital wards.
- Red Code: It represents the presence of a fire situation in the hospital.

In CALLVISION Emergency Code Systems, emergency code calls can be made from telephone, pagers, DECT devices and CALLVISION products. Emergency Code Systems can be integrated into any hospital environment.

The Emergency Code is given from a phone number registered in the system and the Emergency Status is activated. The Emergency Code Server answers this call and processes the station information the call came from. Immediately after, it generates the emergency message and transmits this message to pagers and DECT devices. To cancel the emergency code, it is sufficient to dial the same number from the calling station.

In addition, special messages, different from these four emergency codes, can be determined on the system according to your request and transmitted to the call and DECT devices with the same system. Emergency Code Switchboard Server can operate analog or IP-based depending on the type of switchboard in the hospital.

SYSTEM UNITS

- Emergency Code Switchboard Server
- Pager/DECT
- Wireless Transmitter Device



Emergency Code Switchboard Server Minimum System Requirements

- Dual core processor clocked at 1.50 GHz
- 2 GB system memory
- 250 GB HDD 2
- Ethernet Ports
- 7/24 Working Capacity
- Linux Based Operating System
- Integrated 8 Port Internal Line Input Voice Response System (IVR) Card
- Web Based Reporting

Pagers

- Eight Line Display
- Recording the message times feature
- Message Memory: 10 messages
- Low Battery Alert
- Pager Device Charging Cradle Device
- Fully Compliant with Legislation
- Impact, Dust, Moisture Resistant
- Audible Warning Feature When Out of Coverage Area

Wireless Transmitter Device

- Wireless Communication
- Strengthening the Signaling Area by Placing Close to the Point Where There is No signal
- Sending a Test Message to Pager Device with the Test Button
- 220 VAC or 12-24VDC Energy Supply from Uninterruptible Power Supply
- 3.5 Km Shooting Area in Open Area
- Coverage Area Guarantee in All Closed Areas

CALLVISION®

Seconds Save Lives

IP CLOCK & TIMER DEVICE

IP Clock & Timer Device is a communication and automation system that shows real time information in the area where it is used, and can make audible and visual reminders to the personnel by activating the chronometer with the feature of reading personnel card.

IP Clock & Timer Device works by communicating with the server.



TECHNICIAL SPECIFICATIONS

- Standartlar: TS EN 60601-1-2, TS EN 60601-1
- Besleme Voltajı: 12-24V DC/PoE
- **Boyutlar:** 133x295x40mm
- Suya Karşı Dayanıklılık Sertifikası: IP54
- Ethernet Bağlantısı: 10/100Mbps
- Ekran: 7" Dokunmatik LCD Ekran
- Kart Tipi: Mifare, Proximity
- Raporlama: Web Tabanlı Raporlama





CALLVISION MEDICAL ISOLATED POWER SYSTEM

According to the standards, medical fields are divided into 3 classes electrically. These are group 0, group 1 and group 2 rooms. The classification of a medical area is related to the parts in contact with the patient and the type of contact with the patient, as well as the purpose for which the place is used. Medical Isolated Power Systems are applied in Group 2 rooms, which are medical areas where power supply failure can cause life threatening. Isolated power systems installed in accordance with IEC 60364-7-710 standards are used in group 2 rooms, which are vital in medical fields and where medical devices are directly connected to patients (Operating Room, Intensive Care, Anesthesia rooms, premature baby rooms, etc.). It consists of isolated power systems, isolation transformer, isolation monitoring device, alarm instrument panels, medical transfer modules and auxiliary test equipment. With CALLVISION Medical Isolated Power Systems, it is ensured that the patient and personnel are not affected by fault currents and energy interruptions, and maintenance and repair times are minimized by ensuring the signaling of unwanted situations such as insulation leakage, load current reaching limit values and overheating of the transformer.

By the CALLVISION Medical Isolated Power System, both the isolated power system standard is ensured, and errors and warnings are displayed from many places and failures are prevented.

Units where isolated power systems are used in hospitals:

Operating rooms
Operating Room Preparations
Intensive Care Units
Anesthesia Rooms
Cardiac Catherization Rooms
Angiographic Practice Rooms

SYSTEM UNITS

- Medical Isolated Power Board
- Transfer Relay
- Error Detection Device
- Isolation Monitoring Device
- Local Alarm Panel
- Central Alarm Panel



SYSTEM UNITS

1. CALLVISION Medical Isolated Power Board

In isolated power systems, grounding is isolated from both lines. If a low resistance short circuit touches ground or a leakage current occurs, the circuit breaker will not trip and medical electrical equipment will continue to function. In addition, since the grounding network is isolated in such a way that it creates a very high resistance compared to the ground, even in case of contact, the current that will not harm the person will pass. In isolated power systems, insulation level, transformer temperature and load current are constantly monitored and an alarm signal is generated in case of a possible error. Alarm signals are transmitted to the relevant panels to ensure that the necessary intervention is made.

2. CALLVISION Transfer Relay

The transfer unit is a device that ensures that the load is continuously fed by the solid source when there is a problem with one of the sources feeding it. Switching between sources takes less than two periods.

Туре	IM710
Standards	TSE-IEC 60364- 7-710 TS EN 61557-8
Supply Voltage	24V AC/DC
Frequency	50Hz, 60Hz
Test Current	50μΑ
Internal Impedance	1.8ΜΩ
Communication Interface	RS485
Product Dimension	126x91x50mm
Rated Impulse Voltage Withstand	4kV
Operating Voltage	16-35V AC
Measurement Range	1-500kΩ
Test Voltage	24V DC
Impedance	800kΩ
Load Current Range	0-50A
Operating Temperature	-10°C/50°C

Туре	TR710
Standards	TSE-IEC 60364- 7-710
Nominal Current Range	15-50A
Efficiency	96%
Ingress Protection Class	Class B
Storage Temperature	-15°C/70°C



Communication Interface	RS485
Transfer Time	<7ms
Supply Input	230V AC
Frequency	50, 60Hz
Operating Temperature	0°C/50°C
Product Dimensions	126x91x50mm

Туре	MITFPP/1P-XX
Standards	TSE-IEC 60364- 7-710
Outputpower	10kVA
Supply Input	Double Mono Phase Line
Nominal Voltage	230V AC
Frequency	50, 60Hz
Isolation Service	3kV/1dk
Insulation Fault Detection Time	<1s
Ventilation	Fan
Transfer Time	<5ms
Dağıtım Çıkışı	6/12/18/24 Hat
Ingress Protection	gL Fuse
Secondary Ouput Voltage	230V AC
Output Protection	2 Pole Fuse
Monitoring	With LCD Display Insulation Resistance
Alarm Output	Isolation Error, Overload, Over Temperature, Over Voltage
Housing Leakage Current	<0.5mA
Operating Temperature	0°C /50°C
Protection Class	IP41
Cevap Aralığı	50-500kΩ
Response Range	1700x500x500mm

3. CALLVISION Error Detection Device

It is the system that detects an insulation fault in the IT system with the help of a current transformer. It is used to determine which distribution output the insulation fault is in. According to the number of outlets to be distributed, 1 to 4 error detection devices can be used in a panel. Information exchange between devices is provided by RS485 connection.

Туре	IFDS710
Standards	TS EN 61557-8, TS IEC 60364-7-710
Supply Voltage	24V AC/DC



Frequency	50, 60 Hz
	·
Input Protection	Class B
Enclosure Leakage Current	<50μΑ
Operating Temperature	0°C/50°C
Product Dimensions	254x60x25.5mm
Protection Class	IP21
Highest Input Current	1A
Туре	IFDS710
Output Power	<10W
Operating Voltage	16-35V AC
Isolation Level	4kV
Alarm Output	1 Dry Contact
Isolation Fault Detection Time	<300ms
Storage Temperature	-15°C/70°C
Ventilationn	Natural Cooling
Internal Resistance	500-800Ω
Communication Interface	RS485

4. CALLVISION Isolation Monitoring Device

It detects insulation errors in the system by constantly monitoring the insulation resistance level between the system and the ground. It is set to give an alarm when the insulation of the whole network falls below the set value. These devices also monitor the isolation transformer temperature, load current, output voltage. If these values exceed the specified limit values, an alarm signal is generated.

5. CALLVISION Local Alarm Panel

The local alarm panel serves to display error, alarm and operation messages in accordance with TS IEC 60364-7-710 standards. It sends the information and alarms of the Medical Isolated Power Panels to the Central Alarm Panel visually on the LCD display and over IP. In case of an alarm, it gives an audible warning and this warning can only be silenced temporarily. A Local Alarm Panel can communicate with up to 6 Medical Isolated Power Panels. With the Local Alarm Panel, alarms can be monitored by the necessary technical staff.

Туре	AP710
Standards	TS IEC 60364-7-710
Supply Voltage	24 VDC
Frequency	50 / 60 Hz
Operating Temperature	-10°C / 50°C



Dimensions	220x190 mm		
Communication Interface	RS 485 / Ethernet		
INDICATORS	Line Selection		
	Linye Based Isolation Leakage		
	Hz Isolation Impedance and Alarm		
	Load Current and Alarm		
	Transformer Temperature and Alarm		
	Ethernet Output Voltage and Alarm		

6. CALLVISION Central Alarm Panel

The central alarm panel is a device that allows remote monitoring of all error, alarm and operating messages in the medical system in accordance with TS IEC 60364-7-710 standards. In addition to all the features of the alarm instrument panel, this panel displays oxygen, vacuum, dry air, nitrogen oxide, compressed air, nitrogen values of medical gas systems and malfunction messages such as UPS failure, room temperature, air conditioner failure.

Туре	CAP710		
Standards	TS IEC 60364-7-710, EN60950-1, EN62311, EN55022, EN61000- 3-3, EN61000-3-2, EN55024, EN55022		
Supply Voltage	24 VDC		
Frequency	50 / 60 Hz		
Operating Temperature	-10°C / 50°C		
Product Dimensions	220x190 mm		
Communication Interfaces	RS 485 (BMS Protocol)		
	Line Selection		
	Linye Based Insulation Leakage		
	Isolation Impeda and Alarm		
	Load Current and Alarm		
	Transformer Temperature and Alarm		
	Output Voltage and Alarm		
Indicators	Oxygen		
	Dry Air Vacuum		
	Vacuum		
	Nitrogen Proxide		
	Nitrogen		
	UPS Fault		
	Klima Fault		
	Room Temperature		

CALLVISION®



CALLVISION MOTHER AND BABY TRACKING SYSTEM

Mother and Baby Tracking System is a system designed to prevent newborn babies from being mixed up or abducted from the hospital. The system works with wireless communication technology.

After the birth, the authorized health staff register the information of mother and baby to the bracelets by the CALLVISION Cradle Device. Then, the staff wear the bracelets on the mother and the baby, and then match and activate the bracelets by touching to the bracelets with her own CALLVISION Smart Badge. Later, the baby is taken to the newborn unit.

After the baby's procedures are finished, he is taken back to the mother. Mother and baby bracelets are touched to each other. If there is a confusion, the bracelets give a warning because they are not paired. In this way, confusion event is prevented.

In order to prevent baby abduction, first the safe area borders (for example: 2nd Floor Gynecology and Obstetrics department) are determined in the system. If the baby is removed from this safe area without permission, the system warns the necessary units. With instant location tracking, it guides the security to the most accurate point. In addition, all automatic doors are locked in the direction of the baby's abduction and abduction is prevented. If the bracelet is removed from the baby's feet, this system will detect it and the system will warn of kidnapping.

Mother and Baby Bracelets, which are very light and portable, are charged with a wireless charging system. The tracking capsule, in which electronic equipment is stored, has a liquid proof structure. The cord which is carrying the tracking capsule is made of anti-bacterial material. Optionally, it can be disposable or reusable with its structure suitable for sterilization.

System Components

- Mother's bracelet
- Baby bracelet
- Smart Badge
- RF Location Scanner
- C4S software Command Control Communication and Code System
- Cradle Device

SYSTEM COMPONENTS

1. Mother and Baby Bracelets

CALLVISION mother / baby bracelets are products that are worn on the feet of babies and on the wrists of mothers in order to prevent abduction or mixing of newborn babies.



Bracelets consist of two parts, a capsule and a cord. The cords are made of antibacterial medical silicone and are disposable, while the capsules are IP67 waterproof. Both wristbands feature RF-based encrypted active location tracking, overheating tracking, low battery warning, NFC tag, wireless charging. In addition, baby bracelets have a sensor to detect the situation of removing the bracelets and warn in case of removal.

CALLVISION Mother Bracelet and Baby Bracelet are activated and paired by touching the CALLVISION Smart Badge of the authorized personnel to the wristbands.

CALLVISION mother / baby bracelets make RF-based location updates. Bracelets can update from 433MHz and 868MHz dual RF band. With CALLVISION Cradle, registration, mother identification, nurse identification and discharge authorization can be made. In addition, activation, authorized / unauthorized mode and passivation operations can be performed with the authorization given by CALLVISION Cradle to the CALLVISION Smart Badge held by the nurse.

Product Features	Mother Bracelet	Baby Bracelets
Waterproof (IP67)	Yes	Yes
Available Dual RF Band Opeation	Yes	Yes
Contactless Charging	Yes	Yes
NFC Mode	Reader	Tag
Reader Tag Low Battery Alert	Yes	Yes
Detection	No	Yes
Active Position Tracking	Yes	Yes

Ürün Özellikleri	Anne Bilekliği	Bebek Bilekliği	
Waterproof (IP67)	Yes	Yes	
Available Dual RF Band Opeation	Yes	Yes	
Contactless Charging	Yes	Yes	
NFC Mode	Reader	Tag	
Reader Tag Low Battery Alert	Yes	Yes	
Detection	No	Yes	
Active Position Tracking	Yes	Yes	
Dimensions	30x40x12 mm		
Battery Charge	Wireless Charging		
RF	433/868MHz		
Default Data Rate	38400bps		
Data Rate Range (Can be set with craddle device)	19200-300000bps		
Output Power	10mW		
Operating Voltage	1.8-3.6V		



2. Smart Badge

Smart Badge is a CALLVISION product designed for staff, that notifies the system of instant location data with RF technology and emergency code buttons on it. On the front of the card, there is an area where the staff can place their company ID card and a led that indicates the started codes or charging status. There are 3 different customizable keys on the back of the card. These keys can be set as "Blue Code - White Code - Code Cancel" or "Pink Code - White Code - Code Cancel" for healthcare staff. With these keys, the healthcare staff starts the emergency call by pressing just one button. CALLVISION directs the necessary units to the relevant place, as its location is monitored instantly by the system.

Smart Badge is battery operated and can be charged with microUSB cable. In case of low battery, the LED on the card lights up in red at short intervals and an alarm is sent to the system as a low battery warning. Battery replacement can only be done by authorized service.

Smart Badge works within the C4S Command, Control, Communication and Code System. Smart Badge wirelessly sends the data it generates to C4S via RF Position Scanner device. Instant location data of Smart Badge and emergency calls can be monitored live on C4S.

In addition, CALLVISION Smart Name Badge is being used to activate the Mother Baby Bracelets in the CALLVISION Mother and Baby Tracking System. In order to activate the bracelets, after the bracelets registered on the CALLVISION Cradle Device are attached to the mother and the baby, and then the wristbands are activated and matched by touching them with the CALLVISION Smart Badge.

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RF Location Scanner - DC

RF Location Scanner DC product is positioned at the door exits of the pink code regions with its specialized software. RF Location Scanner DR connects to RF Location Scanner DC with Cross CAT cable. When a baby with the Callvision Baby Wristband approaches the door without permission, it transmits the door-closing signal and the card reader is disabled until the baby leaves, the door is locked. When the baby leaves, the card reader is activated again after 15 seconds and the door can be opened. In addition, an optional over-door lamp is integrated and the red LED is lit when the door is locked.

Product Order Code	Wireless Data Transfer	Relay Output	Data Output	Repeater Feature	Over Door Warning Lamb
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RF Location Scanner - SF	Yes	No	No	Yes	No
RF Location Scanner - DR	No	Yes	Yes	No	No
RF Location Scanner - DC	Yes	No	Yes	No	Optional

Supply Voltage	5-9V DC		
Energy Supply	Adapter		
Dimensions	125x95x35mm		



Feature	Lowest	Typical	Highest	Unit
Supply Voltage	5	5	9	V
RF Output Power		10		dBm
RF Operating Frequency	-	433/868	-	MHz
Current Value NW	80	150	250	mA
Current Value SF	50	80	120	mA
Current Value DR	60	120	200	mA
Operating Temperature Conditions	0	-	70	°C
Storage Temperature Conditions	-40	-	85	°C

4. C4S - COMMAND, CONTROL, COMMUNICATION AND CODE SYSTEM

C4S Command, Control, Communication and Code System is a code system in which CALLVISION products are commanded and controlled and responsible for the communication of some products with each other. C4S is a web-based system built on the server, so C4S can be accessed by any device (computer, phone, tablet) on the same network as the C4S server.

C4S system can be accessed with many security levels, The systems and pages that normal users, technicians, security guards and administrators can access in the system are different. There are 5 different main systems in C4S, these are Active Tracking, Passive Inventory Tracking, Medical Gas, It Board and Management pages.

C4S Active Tracking

On the C4S Active Tracking page, CALLVISION products; Instant locations of Smart Badges, Nurse Smart Badges, Active Item Tracking Devices, Mother Bracelets and Baby Bracelets; It can be viewed in 2D on the exact plan of the hospital. In addition, the data of codes, alarms or warnings started from these devices is instantly available on this page as location and time data. Position accuracy and final positions of each active device can also be examined in detail on this page.

C4S Passive Inventory Tracking

On the C4S Passive Inventory Tracking page, the code statuses developed by CALLVISION, such as whether the inventories registered in each location are in the correct locations as a result of the counts or are missing in the site, can be examined on a site-based basis. In addition, developed code statuses, for example, the missing inventory code at the site or the inventory code that was counted both at the location where it was registered and in another location in the previous count can be examined with time data on the page as an alarm or warning on the page.



C4S Medical Gas

On the C4S Medical Gas page, the pressure and alarm values of the gas panels and meters in the hospital can be viewed instantly and in 2D on both the chart and the hospital's exact plan. Alarms and warnings such as the alarm conditions of gas panels and meters and whether the communication with these devices is healthy can be viewed on the page based on time and location.

C4S IT Panel

On the C4S IT Board page, the values of the it panels in the hospital can be viewed instantly and in 2D on both the chart and the hospital's exact plan. Alarms and warnings such as the alarm status of the IT Panels and whether the communication with these devices is healthy can be viewed on the page according to time and location.

C4S Management Page

On this page, there are pages on which operations such as activation of Smart Badges, Nurse Smart Badges, Active Item Tracking Devices, registration and name information of these devices will be performed. In addition, the time of past alarms and there are pages that can be examined based on location. The locations of RF Location Scanner IP, RF Location Scanner RP and Room Control Panels, connection status, last established communication times can also be examined on this page.

C4S Smart Instructions

Based on the data obtained by C4S users, how long and distance personnel or devices move, can be reported according to required parameters. In the C4S passive inventory tracking system, it can provide instructions to the counting staff on which location and inventory to give priority.

Note: These instructions may vary depending on the C4S package received.

TECHNICIAL SPECIFICATIONS

C4S SERVER MINIMUM SYSTEM REQUIREMENTS			
Operating System	Linux		
Processor	4 core*, 8 core**		
Memory	8GB*, 16GB**		
Storage 1	50GB SSD		
Storage 2	1TB HDD		

CALLVISION®

Seconds Save Lives

NURSE CALL SYSTEMS

PRODUCT FEATURES

Nurse Call System enables patients to call nurses from patient rooms, patient toilets-bathrooms, examination rooms and emergency observation rooms. On the Nurse Call System, the nurse who is serving the call can start an Emergency Code or initiate a consultation call. In addition to these features, the system records and reports service call information and service performance.

It is possible to initiate a call from Bedside, Handset or

Bathroom / WC Call Units. The first call from any of the Bedside
and Handset Call Units is sent to the system as a "Nurse Call" and
the second call as a "Nurse Support", indicating a more urgent situation.
The first call from Bathroom / WC Call Units is sent to the system as "Nurse Support".
The calls from Bathroom / WC Call Units are sent to the system as "Bathroom / WC Nurse Call"

Bedside, Hand Set and Bathroom / WC Call Units are connected to the Room Control Panel.

The Room Control Panel transmits the call to the Nurse Information Panel at the nurse desk. At the same time, the Over Door Warning Lamp of the room where the call is made lights up. Optionally, the same call can be sent to PAGER pagers or dect phones.

The nurse who will serve the call ends the call by having the staff card read to the Room Control Panel or from the unit where the call was given. If there is an emergency in the room, the nurse can start an emergency code or call for a consultation from the Room Control Panel. All these operations and information (what time, which nurse etc.) are kept as data in the Hospital Call Center Server and reported to the users.

SYSTEM UNITS

- Bedside Call Unit
- Handset Call Unit
- Bathroom / WC Call Unit
- Room Control Panel
- Over Door Warning Lamp
- Nurse Information Panel
- Nurse Call System Server

1. Bedside Call Unit

It is used by the patient at the bedside in hospitals, to call a nurse to the room when there is a request or in case of emergency. On the front of the device there are two buttons and there is a connector output for handset unit, and on the back of the device there are connections. One of the buttons on the front is used to make a call and the other to cancel the call.

This product is connected to the Room Control Panel (RCP). When the call button is pressed once, the "Nurse Call" is displayed on the RCP screen from which bed the call was made. When the call button is pressed a second time, it is displayed on the screen as "Nurse Support", indicating that there is a more urgent situation. An audible warning is given when the button is pressed. Nurse calls are also transmitted to the over-door lamp and Nurse Information Panel on the nurse's table via RCP.





NURSE CALL SYSTEMS

PRODUCT FEATURES

The nurse who comes to serve the patient can end the call by using the RCP screen or by pressing the cancel button of the bedside button. A room can have multiple bedside buttons. Feeding of these is done through RCP and transmitted to other buttons in the room by skipping through two RJ45 connections on the back of the device.

Technical Specifications

Input Voltage 5V (Via RCP)
Supply Input RJ45
Communication Interface RS485

Monitoring Red and Green LED

Case Type Downlight
Product Dimensions 78x78x32mm

2. Handset

The hand set, which is located next to the bed in hospitals, is used by the patient to call a nurse to the room when there is a request or emergency situation. There is a button on the device and it is connected to the Bedside Call Unit with a spiral cable.

This product works with the Bedside Call Unit and Room Control Panel (RCP). When the call button is pressed once, it is transmitted to RCP via the Bedside Call Unit, and the "Nurse Call" from which bed is displayed on the RCP screen. When the call button is pressed a second time, it is displayed on the screen as "Nurse Support", indicating that there is a more urgent situation. An audible warning is given when the button is pressed. Nurse calls are also transmitted to the over-door lamp and the Nurse Information Panel on the nurse's table via RCP.

The nurse who comes to intervene the patient can end the call by using the RCP screen or by pressing the cancel button of the Bedside Call Unit.

Technical Specifications

Input Voltage 5V (Via Bedside Call Unit)

Supply Input RJ45

Communication Interface Dry Contact Watch

Monitoring Red LED

Case Type Hand Held

Product Dimensions 110x45x18mm

3. WC-Bath Call Units

It is used by the patient in the bathrooms and toilets in hospitals, to call a nurse to the room in case of emergency. On the front of the device, there is a call rope with a holder and a cancel key; On the back, there is a supply and communication connections.

This product is connected to the Room Control Panel (RCP). Once the call thread is pulled, it is shown as "Nurse Support" on the RCP screen. If you want to cancel, press the cancel button. An audible warning is given in button presses and rope pulls. Nurse calls are also transmitted to the over-door lamp and the Nurse Information Panel on the nurse's desk via RCP.





NURSE CALL SYSTEMS

PRODUCT FEATURES

The nurse who comes to serve the patient can end the call by using the RCP screen or by pressing the cancel button of the WC-Bath Call Unit.

Technical Specifications

Input Voltage 5V (Via OKP)

Supply Input RJ45
Communication Interface RS485

Monitoring Red and Green LED

Case Type Downlight
Product Dimensions 78x78x32mm

4. Room Control Panel

Room Control Panel is an electronic control circuit with various unit elements. It has functions that can be used by patients, staffs which are authorized to perform routine operations, and managers.

RCP is connected to the Bedside and WC-Bath Call Units. It shows the initiated calls on its screen and transmits the call to the Nurse Informatin Panel.

The first call from the Bedside Call Unit is shown as "Nurse Call" and a second call is shown as "Nurse Support", indicating a more urgent situation.

Calls made from the WC-Bath Call Unit are shown as "Nurse Support".

Emergency code can be given or a consultation call can be initiated by logging in to the RCP with the authorized ID card. It decides the separation of authorized / unauthorized cards by checking the personnel list registered on the server.

All these calls and emergency code situations are also transmitted to the Over Door Warning Lamp and the Nurse Information Panel at the nurse desk. The Over Door Warning Lamp glows red in case of a nurse call, in the emergency code color in case of emergency code, and in red and green rotatory for one second in case of a consultation call. After the nurse or authorized staff arrive and end the nurse call or the emergency code, the on-door warning light turns green for two minutes and goes off. RCP communicates with the server in real time and notifies the server of the events taking place during the process. It can work offline and keeps the latest events in its memory and notifies those events when the server connection is restored. All these events; The time and place of the call, the staff who answered the call, the time of the answer to the call etc. are reported by the server.

RCP has an embedded wireless communication RF module on it. In this way, it can communicate with all CALLVISION RF-based products and decodes the RF signal coming from them and notifies the server. In this way, it enables real-time location monitoring in the hospital and reporting of the codes coming from other devices to the system.

Network settings can be obtained automatically with the help of DHCP server or can be done manually from the administrator screen. Software update of the device can be done remotely via the server. If on-site programming is required, the miniUSB port hidden on the front can be used. The hidden reset button can be used in case of any problem.

CAT cable coming from RS485 outputs on RCP is connected to one of the 2 side by side RJ45 sockets behind the nearest Bedside Call Unit. Connection to the next Bedside Call Unit is provided with another CAT cable from the other socket on the back. In this way, all call units are connected in parallel over each other. The handset can be connected to the RJ45 socket on the front of the Bedside Call Unit.





NURSE CALL SYSTEMS

PRODUCT FEATURES

Technical Specifications

 Standards
 TS IEC 60364-7-710

 Supply Voltage
 12-24V DC/PoE

 Dimensions
 188x207x33mm

Communication Interface RS485, Serial Port, Ethernet

Ethernet Connection 10/100Mbps RF Frequency 433MHz

Card Reader Mifare, Proximity

Display 4.3 " LCD Touch Screen

Notification Over Door Warning Lamp, LCD Display, Nurse Information Panel

Call Origination Bedside Call Unit, WC-Bath (Corded) Call Unit

Reporting Web Based Reporting
Time Information From Real Time Server

5. Over Door Warning Lamb

It is the lamp used to indicate the status of the room when a nurse call occurs in the room or when an emergency code occurs in the room. On the back of the device, there is a connector input for supply and communication.

This product works together with the Room Control Panel (RCP). When a nurse call occurs, the lamb lights red; if there is an emergency call the lamb i ndicates the color of the emergency code in case of emergency codes issued via RCP. It lights up blue in case of code blue, pink in case of code pink, and white in case of code white.

After coming to the room for medical intervention, when the nurse call or the emergency code is terminated, Over Door Warning Lamp turns green for a certain time and then turns off. When a consultation call is made via RCP, the red and green lights turn on at one second rotatory.

Technical Specifications

Type LED

Input Voltage 5V(Via OKP)
Supply Input RJ45

Monitoring Nurse call: Red

Blue Code: Blue Pink Code: Pink White Code: White

Consultation: Red-Green Rotatory

Cancel: Green



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CALLVISION®

Nurse Call System

Reliable. Elegant. Compact.

Features

- Initiating nurse call
- Voice communication
- Mobile application with nurse calls and voice communication feature
- Lightning control
- Emergency code integration





System Components

- 7 inch Room Control Panel
- 10 inch Telemedicine Display
- Bedside Call Button
- Handset Call Button
- Bathroom/WC Call Button
- Over Door Warning Lamp
- 32 inch Nurse Desk Panel
- Nurse Call Software
- Mobile Application

Seconds save lives



CALLVISION Operating Room Control Panel

The CALLVISION Operating Room Control Panel is a touch panel that allows the operating team to work comfortably and controls the ambient conditions, medical gases and operating room devices. With the CALLVISION Operating Room Control Panel, controls such as lighting, operation lamp, negatoscope, UV lamp and damper can be made. In addition, medical gases can be monitored and error warnings can be observed. Since it is difficult to use a telephone during surgery, the Operating Room Control Panel also has a telephone feature. This feature can also be used with voice commands. It also has a music listening feature.

Medical gases, temperature, humidity, pressure values are monitored and the operation is performed under the most appropriate conditions with the feature of alerting when these values reach critical levels. In addition, it has a flexible structure in terms of integration with the hospital infrastructure by the device's electrical specifications.

The parameters and alarms of the CALLVISION Operating Room Control Panel can be remotely monitored by C4S – Command, Control, Communication and Code System.

- Android Based system
- Stainless steel
- Remote monitoring
- 19" Capacitive Touch Screen
- Four Separate Armature Groups On-Off, Dimmer Control
- Damper Open / Close Control,
- VAV control,
- UV lamp control,
- Gas Purge control
- Monitoring of gas, humidity, temperature, pressure, pollution level and setting alarm values,
- Hands Free Phone
- 2 channel, 3 Watt music broadcast,
- RS-485 and TCP / IP communication infrastructure,
- Clock and Stopwatch
- Scada and HBYS Integration
- Voice warning system





Technical Specifications			
Panel Material	Stainless Steel (304,2)		
Absorbed Power	185W (max)		
Nominal Voltage	230 VAC		
Frequency	50 / 60 Hz		
Screen	19" Capacitive Screen		
Storage Temperature	-20°C / 60°C		
Working Tempature	0°C / 40°C		
Analog Output	8 Automation (0-10V), 5 Dimmers, 2 Air Conditioners, 2 Reserve		
Analog Input	Input 4 Air Conditioners (0-10V)		
Digital Output	8 Automation		
Digital Input	9 Medical Gases		
Communication Ports	1 Leak Current (RS485), 2 Reserve (RS485), 1 Ethernet, 1 Telephone (RJ11)		
Protection Class	IP65		
Color	Metallic Gray or Black		
Product Dimensions	740x432		
Monitorable	Temperature, Humidity, Room Differential Pressure, Filter Pollution Level, Gas		
Parameters	Alarm Indicators		
Standards	TS EN 55022, TS EN 55024		
Ventilation	With Fan		
Ingress Protection	gL Fuse		

Operating Theater Control Panel Main Screen Features

- 1. Clock
- 2. Timer
- 3.Temperature Indicator
- 4. Humidity Indicator
- 5. Pressure Indicator
- 6. Hepa Filter Indicator
- 7.Controller
- 8. Music Menu
- 9.Phone Menu
- 10. Medical Power Transformer Information Display
- 11. Medical Gas Level Indicator
- 12. Controls & Settings PANEL



CALLVISION STAFF TRACKING SYSTEM

The Staff Tracking System provides both the tracking of the staff in terms of location and the emergency calls that the staff can start. The system works based on wireless communication. Staff badge has a portable hardware developed for this function and actively sends a signal to the CALLVISION RF Position Scanner device and informs the system of its position. At the same time, staff can start emergency calls (blue code, white code, pink code and call cancellation) with the buttons on the device.

Location data and codes received from the Staff Badge are processed in the C4S system. The system can show the instant location of the staff, as well as report past movements to the user. In this way, it can be observed where and how often the staff are/were present during working hours.

In addition, the system takes the instant location of emergency calls from the Staff Badge and transmits the warnings to the necessary units and system users. In the "White Code" application, which means healthcare staff faces a physical violence situation, if the staff is escaping, the system directs the security units to the place where the chase proceeds, with the real time location data.

BENEFITS OF THE STAFF TRACKING SYSTEM

- Staff can start the "Blue Code" emergency call via their Badge. The "Blue Code" call, which means that the patient needs urgent medical intervention, is given on the Staff Badge with the location data and directs the necessary units directly to the incident location.
- The staff starts the "White Code" emergency call on the Badge. With the start of the "White Code" call, which means violence to healthcare staff, the location data received by the system. The system guides the security units to the incident location. In addition, the location is monitored live by the system and measures are taken in chase situations. For example, when a healthcare staff giving a white code runs away from the person attacking him, the system sees where the staff escaped. So, it is possible to intervene directly to the incident.
- The staff starts the "Pink Code" an urgent call over their Badge. With the start of the "Pink Code" call, which means infant abduction, the location information falls into the system. Security guards are directed to the incident location. If there is a CALLVISION Baby Tracking Bracelets on the baby, the baby's position is monitored instantly and the security guards are directed to the most accurate point. At the same time, all automatic doors in the direction where the baby was abducted are locked and escape is prevented.
- Instant location data of the staff is provided. In this way, in cases where urgency is required, it provides quick access to the closest employee regarding the situation. The location of staff such as Technical Service or Information Systems Supervisor can be accessed quickly in case of emergency breakdown. Accordingly, the nearest staff can be informed about the breakdown.
- The location of the staff in the past period is provided. In this way, periodic reporting is made and
 it is observed how much time the staff spends at their place of duty and other places within a
 certain period of time.



System Components

- Smart Badge
- RF Location Scanner
- C4S software Command Control Communication and Code System

SYSTEM COMPONENTS

1. Smart Badges

Smart Badge is a CALLVISION product designed for staff, that notifies the system of instant location data with RF technology and emergency code buttons on it. On the front of the card, there is an area where the staff can place their company ID card and a led that indicates the started codes or charging status. There are 3 different customizable keys on the back of the card. These keys can be set as "Blue Code - White Code - Code Cancel" or "Pink Code - White Code - Code Cancel" for healthcare staff. With these keys, the healthcare staff starts the emergency call by pressing just one button. CALLVISION directs the necessary units to the relevant place, as its location is monitored instantly by the system.

Smart Badge is battery operated and can be charged with microUSB cable. Battery life is 2 weeks, but it may vary depending on usage. In case of low battery, the LED on the card lights up in red at short intervals and an alarm is sent to the system as a low battery warning. Battery replacement can only be done by authorized service.

Smart Badge works within the C4S Command, Control, Communication and Code System. Smart Badge wirelessly sends the data it generates to C4S via RF Position Scanner device. Instant location data of Smart Badge and emergency calls can be monitored live on C4S.

In addition, CALLVISION Smart Name Badge is being used to activate the Mother Baby Bracelets in the CALLVISION Mother and Baby Tracking System. In order to activate the bracelets, after the bracelets registered on the CALLVISION Cradle Device are attached to the mother and the baby, and then the wristbands are activated and matched by touching them with the CALLVISION Smart Badge.

2. RF Location Scanner

CALLVISION RF Position Scanner series products provide wireless data transfer in 433 / 868MHz band. CALLVISION RF Position Scanner is the main part of the RFID system and works as a base station.

CALLVISION RF Location Scanner series products decode and process the encrypted codes coming from CALLVISION active code generating devices and transmit them to the center or nearest CALLVISION RF Location Scanner. It allows configuration with passive antennas on it.

CALLVISION RF Position Scanner series products provide wireless transmission of incoming codes to the center via Ethernet. It receives data from devices broadcasting in the 433 / 868MHz band. It uses protocols and encryption algorithms specially developed for bandwidth, security and energy consumption. The data of these devices can be monitored and controlled by the system.



In order to use CALLVISION RF Location Scanner series products, their locations and device-specific IDs must be registered in the CALLVISION Command Control Communication and Code System. In this way, it is possible to use indoor location scanning features.

Technical Specifications

RF Location Scanner - NW

RF Location Scanner NW product has 2 inputs. One of them is the power connection and the other is the data cable connection. The data cable to be used must meet 100Mbps Ethernet standards and be connected directly to the network where the CALLVISION system is located.

RF Location Scanner - SF

Since the RF Position Scanner SF product is used for repeater purposes, it has 1 input. This input is the supply input and must be powered by a 9 Volt adapter. RF Location Scanner SF decodes the incoming RF packet and repeats it if the replay conditions are provided.

RF Location Scanner - DR

RF Location Scanner DR product has 3 inputs. These are dry contact relay outputs for power connection, data cable and doors. The data cable must be the provider of 100Mbit Ethernet standards and must be connected directly to the network where the CALLVISION system is located. The relay output is designed for doors with card system, and these doors must be connected to the control outputs.

RF Location Scanner - DC

RF Location Scanner DC product is positioned at the door exits of the pink code regions with its specialized software. RF Location Scanner DR connects to RF Location Scanner DC with Cross CAT cable. When a baby with the Callvision Baby Wristband approaches the door without permission, it transmits the door-closing signal and the card reader is disabled until the baby leaves, the door is locked. When the baby leaves, the card reader is activated again after 15 seconds and the door can be opened. In addition, an optional over-door lamp is integrated and the red LED is lit when the door is locked.

Product Order Code	Wireless Data Transfer	Relay Output	Data Output	Repeater Feature	Over Door Warning Lamb
RF Location Scanner - NW	Yes	No	Yes	No	No
RF Location Scanner - SF	Yes	No	No	Yes	No
RF Location Scanner - DR	No	Yes	Yes	No	No



Supply Voltage	5-9V DC		
Energy Supply	Adapter		
Dimensions	125x95x35mm		

Feature	Lowest	Typical	Highest	Unit
Supply Voltage	5	5	9	V
RF Output Power		10		dBm
RF Operating Frequency	-	433/868	-	MHz
Current Value NW	80	150	250	mA
Current Value SF	50	80	120	mA
Current Value DR	60	120	200	mA
Operating Temperature Conditions	0	-	70	°C
Storage Temperature Conditions	-40	-	85	°C

3. C4S - COMMAND, CONTROL, COMMUNICATION AND CODE SYSTEM

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C4S IT Panel

On the C4S IT Board page, the values of the it panels in the hospital can be viewed instantly and in 2D on both the chart and the hospital's exact plan. Alarms and warnings such as the alarm status of the IT Panels and whether the communication with these devices is healthy can be viewed on the page according to time and location.

C4S Management Page

On this page, there are pages on which operations such as activation of Smart Badges, Nurse Smart Badges, Active Item Tracking Devices, registration and name information of these devices will be performed. In addition, the time of past alarms and there are pages that can be examined based on location. The locations of RF Location Scanner IP, RF Location Scanner RP and Room Control Panels, connection status, last established communication times can also be examined on this page.

C4S Smart Instructions

Based on the data obtained by C4S users, how long and distance personnel or devices move, can be reported according to required parameters. In the C4S passive inventory tracking system, it can provide instructions to the counting staff on which location and inventory to give priority.

Note: These instructions may vary depending on the C4S package received.

TECHNICIAL SPECIFICATIONS

C4S SERVER MINIMUM SYSTEM REQUIREMENTS		
Operating System	Linux	
Processor	4 core*, 8 core**	
Memory	8GB*, 16GB**	
Storage 1	50GB SSD	



CALLVISION

AKTİF RFID EŞYA TAKİP CİHAZI

CALLVISION aktif RFID eşya takip etiketi ile cihazlarınızın ne zaman nerede olduğunu öğrenebilir, ne zaman ihtiyacınız olursa harita üzerinden takip edebilirsiniz.

- · Hem aktif hem pasif RFID desteği
- · Anlık konum hesaplama
- İhtiyaç halinde anlık haritadan izlenebilme özelliği
- · Harekete duyarlılık ile uzun pil ömrü,
- Küçük ve büyük boyut seçenekleri ile her cihaza uygulanabilme
- Pasif modu ile envanter sayımında kolaylık
- Çalıntıya karşı cihazdan çıkarılma algılama özelliği
- RF teknolojisi ile düşük altyapı maliyeti
- C4S sistemi ile kolay izlenilebilir, anlık alarm veren kullanım
- · Kolay kurulum, kolay aktivasyon
- CALLVISION El terminali ile kolay konfigürasyon

For further information, please contact:



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