

FEC Active RFID

Infant Management Solution



Infant Management Application

- Verifiable newborn identification
- Prevents baby/infant abduction
- 24/7 infant supervision & tracking
 - Nurse/Mother/Baby pairing
 - Baby handling and auditing
 - Exit/Entrance supervision

FEC's Infant Management Solution gives a peace of mind when it comes to managing newborns in the hospital. It combines active RFID tags with RFID readers to prevent abductions while helping to ensure the general safety and security of infants. It allows around the clock supervision, as well as pairing the nurse and the mother with the specific baby, so the responsible nurse and mother will be notified should there be anything happened to the infant.

Infant Management Solution is an advanced, scalable system solution that integrates RFID technology into healthcare industry. It gives the hospital management and the mother a peace of mind when it comes to the infant safety and security.

Like a mother's embrace, FEC Infant Management Solution provides comfort, care and and safety.

Benefits include:

- Infant mixed up prevention
- Infant theft prevention
- Event recording
- Real-time location tracking by zoning
- Improves hospital image and reputation



FEC Active RFID for Infant Management Solution

Omnidirectional Reader TS-NR320N

2.4GHz - 2.5GHz ISM band, industrial level design, full metal casing, shock proof and drop proof, 360° tracking coverage, long range coverage, multiple tags tracking up to 200 tags simultaneously.



- Tracking distance : 3-80m (configurable)
- Tracking speed : 80km/h
- Interface : RS232, RS485, Wiegand 26/34/42
- Transmission power : Below 1mW
- Data transmission : Active encryption
- Input voltage : DC 12V/AC220V
- Operating temp : -25°C - +55°C
- Storage temp : -40°C - +85°C
- Operating humidity : 10% - 95%
- Dimension : 240mm x 180mm x 49mm

Intelligent Localizer TS-HL320C

2.4GHz - 2.5GHz ISM band, shock proof design and multiband technology, control system, monitoring and security feature, three level alert with sound and light alarm, user setting for alarm level.



- Tracking distance : 3-15m (configurable)
- Input voltage : DC 12V/AC220V
- Operating current : 100mA
- Operating temp : -25°C - +55°C
- Storage temp : -40°C - +85°C
- Operating humidity : 10% - 95%
- Dimension : 200mm x 120mm x 49mm

Mother Wrist Tag TS-NC380F

2.4GHz - 2.5GHz band, watch type design, easy to wear, able to track the tag position and situation, built-in LED light and vibration alert indication.



- Tracking distance : above 20m
- Transmission power : Below 1mW
- Receiver sensitivity : -90dBm
- Battery : built-in Lithium-ion battery with 2 years life
- Dimension : 44mm x 40mm x 14mm
- Others : tracking feature, low battery indication, sound, light and vibrate alert

Localizer Reader TS-NR320D

2.4GHz - 2.5GHz ISM band, industrial level design, PVC casing, shock proof, long range coverage, multiple tags tracking up to 200 tags simultaneously. tags tracking up to 200 tags simultaneously.



- Tracking distance : 3-80m (configurable)
- Tracking speed : 80km/h
- Transmission power : Below 1mW
- Data transmission : Active encryption
- Input voltage : DC 12V
- Operating temp : -25°C - +55°C
- Storage temp : -40°C - +85°C
- Operating humidity : 10% - 95%
- Dimension : 225 mm x 205mm x 50mm

Tag Issuing Machine TS-NF

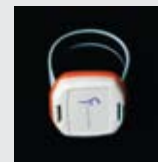
2.4GHz - 2.5GHz ISM band, compact design, standard USB port, plug and play support.



- Tracking distance : 5cm
- Transmission power : Below 1mW
- Interface : USB
- Input voltage : DC5V
- Operating current : 60mA
- Operating temp : 0°C - +70°C
- Operating humidity : 10% - 95%
- Dimension : 145mm x 45mm x 16mm

Infant Tag TS-NC380F

2.4GHz - 2.5GHz band, wrist band design, easy wear and waterproof.



- Transmission power: 1mW
- Receiving sensitivity: -90dBm
- Communication distance: Above 20m
- Dimension: 42mm x 37mm x 11mm
- Battery life: 2 yrs
- Feature: Localizing, low battery alert and reporting

Normal Localizer TS-NL320D

2.4GHz - 2.5GHz ISM band, shock proof design and multiband technology, coverage level setting, anti collision feature.



- Tracking distance : 3-15m (configurable)
- Input voltage : DC 12V/AC220V
- Operating current : 100mA
- Operating temp : -25°C - +55°C
- Storage temp : -40°C - +85°C
- Operating humidity : 10% - 95%
- Dimension : 200mm x 120mm x 49mm

Data Converters TS-DT4

- RS232 port : 4
- USB port : 2
- Operating current : 80 - 140mA
- Operating temp : -20°C - +75°C
- Dimension : 58mm x 36mm x 19mm



FEC International (M) Sdn Bhd is a RFID company that focuses in system development and application integration.

We have many successful case studies in different fields, and we are subsequently introducing new application system packages such as real time management system for human resource, inventory management system, attendance management system and manufacturing process management system.



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