



e-Seal

High Security Metal Bolt Seal Lock

Our Story...



- An Indian Company of technocrats with strong foot print in India and Abroad.
- A integrated technology company with solution oriented approach, focusing on Enterprise Mobility by using Micro Chip and RFID technology based high security metal bolt container vehicle seal locks and plastic ties.
- Headquartered in New Delhi with representatives in pan India locations.
- A strong team with more than 60% Engineers focused on creating Mobility solutions.



Company Philosophy

VISION

To emerge as the trusted partner of choice in providing customers with responsive and innovative end-to-end solutions for their advanced needs of all type security and safety concerns.

MISSION

Integrate... eading edge technologies with smart solutions to deliver quality products/services from pilot to implementation.

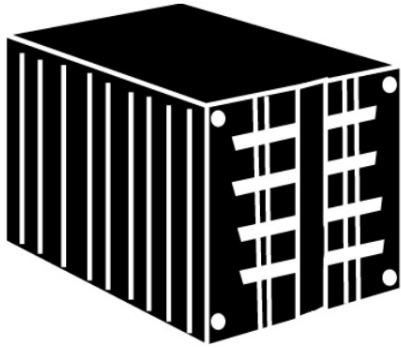
CORE VALUES

Agility - Quick to understand your needs for siwft cost-effective solutions.

Integrity - Professional approach, honesty sincerity.

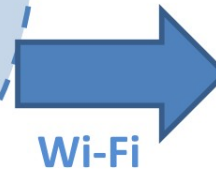
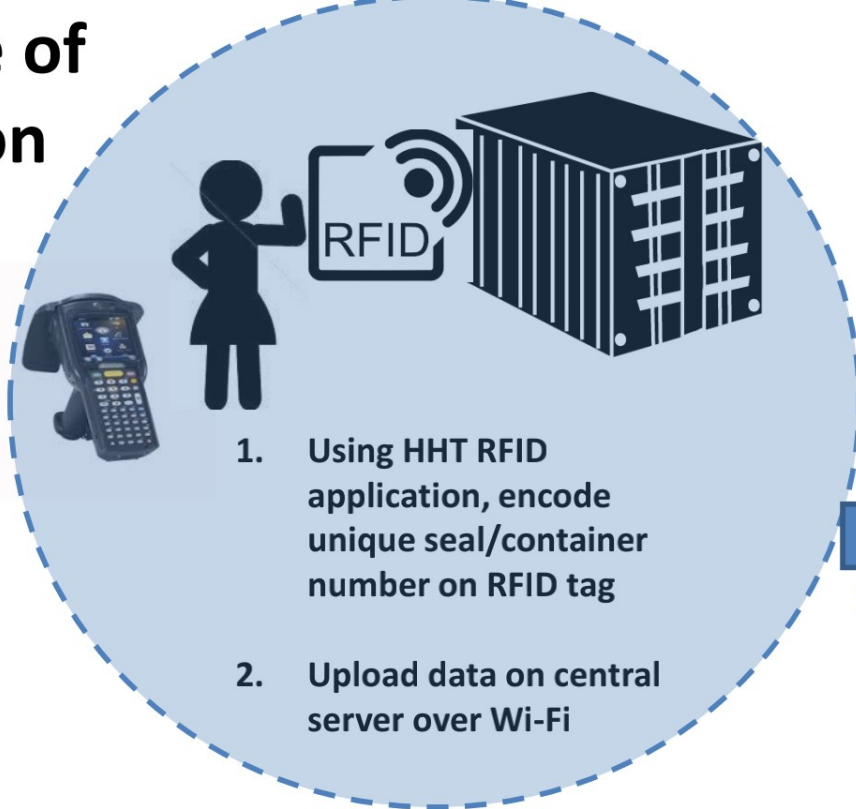
Innovations - Use of imagination and next-gen technology.

Customer Centricity - Exceeding customer expectations by providing best in class.

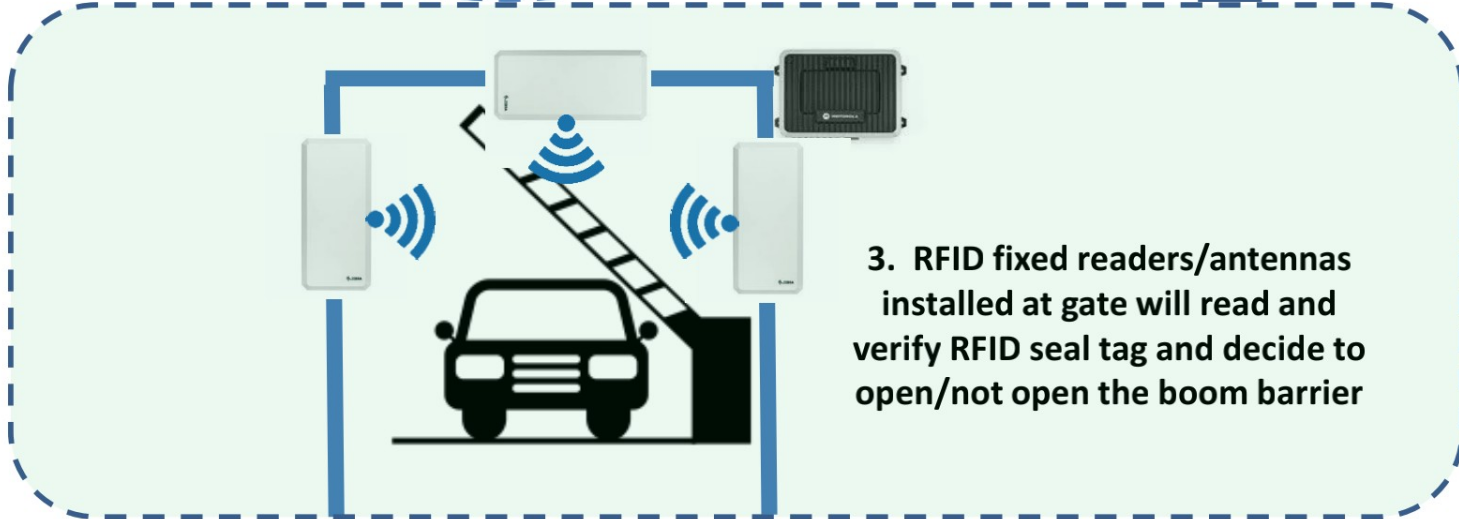


“We let you know seals are tampered or not, Authorized or Not and many more.....”

Principle of Solution



Central Server



Major Components



- For seal tamper verification, Authorisation

RFID Tags



- To encode seal/container number on RFID tag of seal and update data on server over Wi-Fi

RFID Handheld Reader



- To detect tags on seal and verify by transmit information to central system

Fixed RFID readers/Antennas



- To collect, integrate & manage information
- Administration/MIS
- Reports

Application and Services



- To upload data on central server from Handheld reader

Access Point



- To control in/out of container
- Only authorised container can enter/exit the factory

Boom Barrier



FIXED READERS

FX9500



TOP FEATURES

- PXA270@624 MHz processor, 128Mb/128Mb memory
- Rugged design
- Application flexibility
- Small footprint

BENEFITS

- Accommodates growing needs
- Withstands toughest environments
- Lowers deployment costs
- Simplifies, reduces management costs

TARGET MARKETS

- Manufacturing
- Warehouse
- Supply chain
- Energy & Utilities



FX9500



- **INCREASED SENSITIVITY:**

- **GREATER ACCURACY** for challenging materials like metals and liquids
- **LONGER READ RANGES** for large DC's and yard management applications
- **HIGHER THROUGHPUT** rates for reading more, and densely packed goods

- **NEATER, MORE MANAGEABLE FOOTPRINT**

- All cabling and input/output ports are on one side for a smaller installation footprint and better manageability



MONOSTATIC & BISTATIC OPERATION

- Uses traditional monostatic mode for high performance or bistatic operation for even greater performance

4 OR 8 PORT CONFIGURATIONS

- 8 port configurations allow more antennas per reader for a lower cost per read point and TCO

- **Bistatic** - Separate antenna cable is used for transmitting and receiving
- **Monostatic** - Single antenna cable is used for transmitting and receiving



SPECIFICATIONS

NEXT GENERATION SOFTWARE PLATFORM

- API Compatibility across MC and FX platforms
- Linux-based (OS not accessible to end-users)
- IPv4 and IPv6 support

HIGH PERFORMANCE PROCESSING

- 128/128 MB onboard memory, 624 MHz processor for sophisticated embedded apps and data
- Faster tag singulation for more efficient protocol processing for higher throughput rates

INDUSTRIAL OPERATION

- -20 to 55 C Operating Temperature Range
- IP53 sealing for dust and moisture exposure - Designed for industrial environments



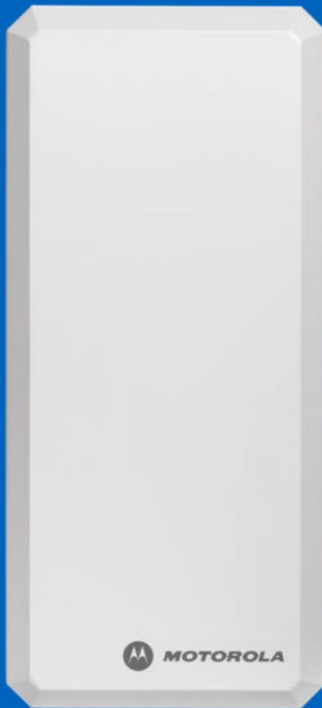
FX9500 "Bare Mounted" on concrete wall

Support for Future Applications

- Locationing
- Directionality
- Class III Tag Support
- Battery Assist Passive Tags
- USB Devices

Antenna

AN440



TOP FEATURES

- Dual-element, high-performance antenna
- Rugged construction
- Low-profile design

BENEFITS

- Ideal for bi-static operation
- Offers option of two separate mono-static antennae
- Suited for industrial applications
- Aesthetically pleasing for customer-facing installations

TARGET MARKETS

- Retail – store front/offices
- Healthcare
- Commercial services
- Government
- Warehousing & Distribution
- Supply Chain
- Manufacturing
- Energy

AN440 RFID Antenna



AN440

| PHYSICAL | |
|-------------------------------------|--------------------------------------|
| Dimensions without mounting screws: | 22.6 in. L x 10.2 in. W x 1.32 in. D |
| Connector | Type "N" female (2 qty) |
| Connector Position | Rear |
| Mounting bracket | Integrated mounting holes |
| Weight | 3.2 Kg |
| OPERATIONAL | |
| Gain | 6.0 dBiL |
| Polarization | 1 x LHCP / 1 x RHCP |
| ENVIRONMENTAL | |
| Oper. Temps | -30°C to +70°C |
| Environmental Sealing | IP-67 |
| Storage Temperature | -40°C to +85°C |





Why Zebra for RFID?

Experience

- Long history in RFID: since 2001
- ISO 2000certified/ mature operations
- Highest skilled applications engineers, engineering design, testing & support
- Global industry experience

Innovation

- Over 75 years of technology innovation
- Broad RF leadership
- Many firsts in RFID: Portal, Mobile, Handheld, Multi-protocol, Customers Installations
- Over 300 RFID Patents

Portfolio

- Most complete suite of RFID products in the industry
- Wireless, Mobile, Scanning & RFID
- Broad Ecosystem of Partners
 - Tags, software providers, integrators, etc.

Global Capabilities Beyond the Competition

Worldwide Product Support and Services



creating A global leader in the connected enterprise



Motorola Solutions'
Enterprise Business

Industry leader
in enterprise
printing,
barcode
creation and
asset tracking
solutions.

*The combined businesses
will offer integrated
visibility, connectivity and
mobile solutions for key
verticals including retail,
healthcare, manufacturing
and transportation*

Industry leader
in physical data
capture
solutions and
services,
including
scanning and
mobile
computing.



A leading innovator



**CLOUD-BASED DEVICE
MANAGEMENT**



**CARD
PRINTING**



**BARCODE
PRINTING**



**DATA
CAPTURE**



**WIRELESS
LAN**



RFID



**MOBILE
COMPUTING**



**LOCATION AND
MOTION SENSING**



Thanks

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