

RFID



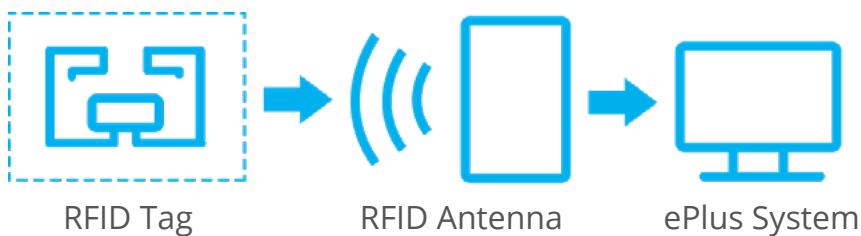
RFID TECHNOLOGY

ePLUS RFID

RADIO FREQUENCY IDENTIFICATION

HOW DOES IT WORK?

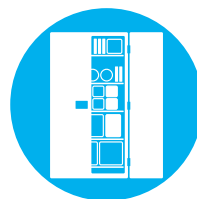
Radio Frequency Identification (RFID) uses electromagnetic fields to identify and track tags attached to objects automatically. RFID works with the combination of both tags and readers. The readers (or antennas) receive signals from the tags. The tags contain electronically stored information such as part number, lot number, and shelf life data which is transmitted to the reader with radio waves. The reader then sends this information to the ePlus software, updating inventory accordingly. Each Ellsworth Adhesives RFID tag is serialized for full item and lot traceability.



BENEFITS

- Drives cost savings, operational efficiencies, and process improvement through automation.
- Serialized labeling and inventory tracking.
- RFID antennas read numerous tags simultaneously, saving employees multiple trips.
- Provides real-time inventory visibility.
- Full lot/shelf life traceability.
- Manage multiple types of items.

SOLUTIONS



Standard
RFID Cabinet



Flammable
RFID Cabinet



RFID
Gateway



ePlus
INVENTORY SOLUTIONS

ePLUS RFID CABINET

Inventory management is made easy with ePlus RFID enabled cabinets. Simply open the cabinet, remove/replace the product, close the doors, and ePlus does the rest! Achieve easier inventory management by cutting labor-intensive tasks with this hands-off approach.

VERSIONS

- eRF1200: Standard RFID Cabinet
- eRF2200: Flammable RFID Cabinet (Meets NFPA and OSHA standards, FM Rated)

AVAILABLE FEATURES

- Badge access: ability to limit access to specific users.
- Touchscreen access: capture and track items to a department or cost center.
- Our eRF2200 features self-closing doors that comply with flammable storage requirements.



Flammable RFID Cabinet

Standard RFID Cabinet

BENEFITS & COST SAVINGS

- Real-time inventory transactions visible in ePlus software with 99-100% accuracy, helping reduce line-down time.
- Storage/management solutions for larger, bulk materials such as pails and cases.
- Ability to appropriately store and manage flammable products in our FM Rated RFID Flammable Cabinet
- Ability to acquire multiple products and quantities in a single transaction.
- Serialization of every item with full lot traceability.
- Store products at point-of-use locations with 24/7 access to materials, even during power outages.
- Self-cycle counting cabinet, reducing labor previously spent on manual counts.



SPECIFICATIONS

Weight (Without Product)	eRF1200: 425 lbs (192.78 kg) eRF2200: 450 lbs (204.12 kg)
Dimensions	eRF1200: 36" W x 86" H x 28" D (91.44 cm x 218.44 cm x 71.12 cm) eRF2200: 43" W x 79" H x 37" D (109.22 cm x 200.66 cm x 93.98 cm)
Electrical Requirements	110/120V Three-pronged Plug
Data Communication	Outbound Network Traffic Only
Data Connection	RJ45 Ethernet Connection
Network Configuration	DHCP or Static IP Capability



ePLUS RFID GATEWAY

ePLUS
INVENTORY SOLUTIONS

Automatically track materials coming in and out of your inventory storage location with the ePlus RFID Gateway - an RFID enabled tracking system used to manage inventory at entry/exit points. Whether you store inventory in an enclosed storeroom, a caged area, or a consolidated location on the production floor (open-air environment), the ePlus RFID Gateway will automatically track and record inventory within the ePlus software once an employee passes through the gateway. Transactions are recorded in real time and help provide a higher level of accuracy and simplicity to the inventory management process.

FEATURES

- Interactive touchscreen – assign a unique department or cost center to a transaction.
- Badge reader – for employee tracking capabilities.
- Configurable width and height.
- Mobile design – caster feet allow movement to various areas of the production floor as your inventory storage needs change. No maintenance needed to stabilize it.
- Manage any item – from a needle tip to a pre-mixed and frozen syringe or a tote of material needing to be transported by a forklift.



BENEFITS & COST SAVINGS

- Real time inventory transactions visible in ePlus software.
- Inventory storage and management solution for any item (including PMF -40 °F, flammable, bulk, etc).
- Ability to acquire multiple products and quantities in a single transaction.
- Serialization of every item with full lot traceability.
- Improved inventory accuracy.
- Allows 24/7 access to inventory.
- Can require and authenticate against an employee badge and/or cost center and automatically tie that information to the transaction.



CAGED ROOM



ENCLOSED ROOM



POINT-OF-USE

SPECIFICATIONS

The RFID Gateway is configurable in width and height to accommodate a single or double door width and as tall as dock-door height. It is also on casters to be easily moved as inventory storage locations change.

Dimensions	Minimum Configuration Dimensions (Inside) 40" W x 72" H x 41" D
	Maximum Configuration Dimensions (Outside) 115" W x 127" H x 41" D
Minimum Recommended Space	10 ft x 10 ft
Item Requirements	5 ft Readzone Clearance Around Gateway
Electrical Requirements	110/120 V Three-pronged Plug
Data Communication	Outbound Network Traffic Only
Data Connection	RJ45 Ethernet Connection
Network Configuration	DHCP or Static IP Capability



W129 N10825 Washington Drive, Germantown, WI 53022
800.888.0698 | ellsworth.com
eplussupport@ellsworth.com