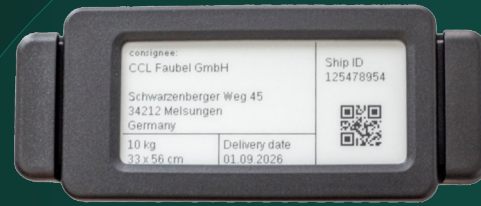


### HF | NFC - Label CCL Faubel - Smart Label

- Battery-free E-Paper Display
- Integrated RFID (13,56 MHz) for data exchange
- IP65 rated
- Dynamic, Flexible Labeling
- Easy System Integration



### HF | NFC - Label Self-powered and durable

The Faubel Logistics Label (FLL) is a battery-free e-paper display with integrated RFID technology, specifically designed for the requirements of intralogistics, inventory management, and returnable container management.

Thanks to its energy-efficient and flexible properties, it provides a sustainable alternative to conventional paper or plastic labels. The label can be written contactlessly via NFC/RFID and only requires power during updates, making it completely maintenance-free.

By integrating with an Label Management Software, the FLL is seamlessly embedded into SAP-supported logistics processes. This allows companies to digitalize their labeling workflows, manage them centrally, and improve data accuracy across the supply chain.

The smart labels are highly durable due to their robust plastic housing and allow digital updating of displayed information at any time. This makes them particularly suitable for returnable containers as well as Kanban or closed-loop processes, offering a time-saving and efficient labeling solution.

### Common Applications

- Logistics and Inventory Management
- Supply Chain and Transportation
- Industrial Production
- Retail and Warehousing
- Asset Management



## TECHNICAL SPECIFICATIONS

### Contactless Interface

Operating Frequency	13.56 MHz
Supported Standard	ISO 15693
Transponder Type	passive

### General Characteristics

Power	Battery-free operation
Read/Write	Up to 1 million updates
Display color	Black/White
Protection Class	IP65
Housing Types	Standard, Custom concepts available
Operation Temp.	0°C to +50°C
Storage Temp.	-25°C to +70°C

### Supported Barcodes

1D Barcode (e.g. GS1-128); 2D Barcode (e.g. QR & Data-Matrix-Code)

### Display Characteristics

Display color	Black / White
Sizes	1.5" / 200 × 200 px / 188 dpi 2,7" / 176 x 264 Pixel / 118 dpi 2,9" / 128 x 296 Pixel / 112 dpi 4,2" / 400 x 300 Pixel / 120 dpi

### System Integration Options

Power	Battery-free operation
Read/Write	Up to 1 million updates
Display color	Black/White
Protection Class	IP65
Housing Types	Standard, Custom concepts available