



# CATALYST

A Li & Fung Company



## Catalyst RFID ePay 110

Catalyst ePay 110 is a high power RFID UHF desk top reader integrating simultaneous instant product recognition and tag deactivation / removal.

### Benefits:

- For retailers:
  - Faster payment process and queue reduction
  - Improved customer shopping experience
  - Reduction in employee operational costs
  - Simultaneous item detection and security tag activation/ deactivation
- Highly controlled read area
- Automatic integration with most software applications through keyboard emulation
- Easy installation and monitoring

### Applications:

- Point of sale
- Registering at events
- Document and product tracking
- RFID programming
- Verification of tagged items

### Product overview

- Antenna with a highly confined reading area
- Keyboard emulation by hardware. No software required.

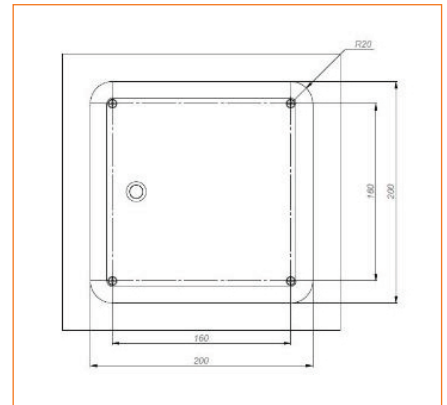
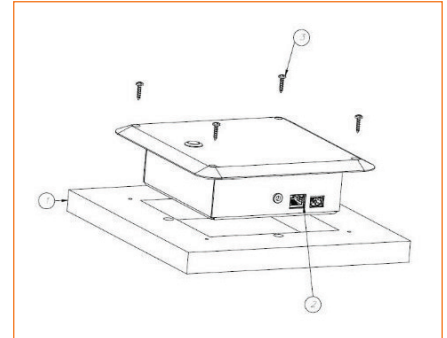
Catalyst ePay 110 has **3 operation modes**, activated by a button on the unit.

- Payment mode (green light)
- Return mode (red light)
- Read-only mode (blue light)

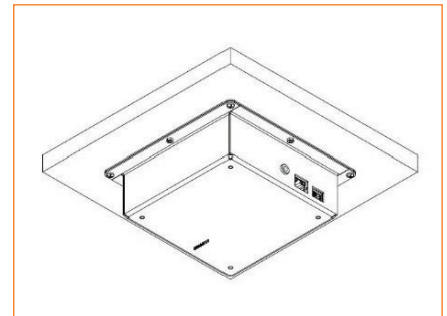
Catalyst ePay 110 comes in two models:

1. Flush mount (recessed in to surface)
2. Under mount (installed underneath surface)

### Flush mount



### Under mount



## Characteristics

Catalyst ePay 110 has a highly confined read area, even with far field RFID tags. It only reads the tags that are placed slightly above its surface, which avoids reading unwanted RFID tags.

Catalyst ePay 110 includes a hardware keyboard emulator (micro USB Type-B connector) that allows a very easy integration with point of sales applications, without the need for any software modifications.

The keyboard emulator is easily configured to send the keyboard codes required by each software application.

Catalyst ePay 110 is stand alone. It is powered with the supplied PoE injector and connected to a computer through the supplied USB cable.

Catalyst ePay 110 can be optionally connected to an Ethernet network switch. This gives Catalyst ePay 110 the advantages of an Ethernet-enabled device: remote control, centralised management etc.

In retail stores Catalyst ePay 110 reads the EPC codes of the products being purchased while simultaneously deactivating the EAS flag of such products, for loss prevention.

Catalyst ePay 110 can be used together with Catalyst Safe and Catalyst Mat to provide a complete UHF RFID loss prevention system.

## Connection to Cloud

Catalyst ePay 110 can be optionally connected to Catalyst Cloud-based software platform.

The EPC codes of read RFID tags are reported to Catalyst Cloud. This information can then be analysed for business intelligence purposes:

- Products sold
- Products returned
- Cross-selling

## Radiofrequency Specifications

Frequency	FCC (NA, SA) 902 MHz - 928MHz ETSI (EU, IN) 865.6 MHz - 867.6 MHz MIC (KR) 910 MHz - 914 MHz SRR-MII (P.R.China) 920 MHz - 925 MHz Brazil: 902-907,5 MHz and 915-928 MHz (by using channel selection) ACMA (AU, NZ) 920 MHz - 926 MHz Peru: 916 - 928 MHz Open region
RF Power	Programmable from 5 dBm to 27dBm in 0.5 dBm steps.
Antenna	Integrated Circularly Polarized Antenna
Standard Compliance	EPC C1G2/ISO 18000-6C
Data communications	Ethernet: IEEE 802.3 up to 100 Mps
Power Supply	Power Over Ethernet (PoE): IEEE 802.3af and 802.3at (Typw I & Type II) On-board battery for RTC chip
Configurator	Included via web interface
Compatibility with software applications	Can be easily integrated with any application software, through keyboard wedge
Power consumption	Idle consumption < 3 W Max consumption (@27 dBm) < 14 W
Temperature Range	-20°C to +50°C
Dimensions	170 x 170 53 mm (6.7 x 6.7 x 2.1 inches)
Dimensions (with bezel)	200 x 200 x 53 mm (7.9 x 7.9 x 2.1 inches)
Weight	895 g (approx)