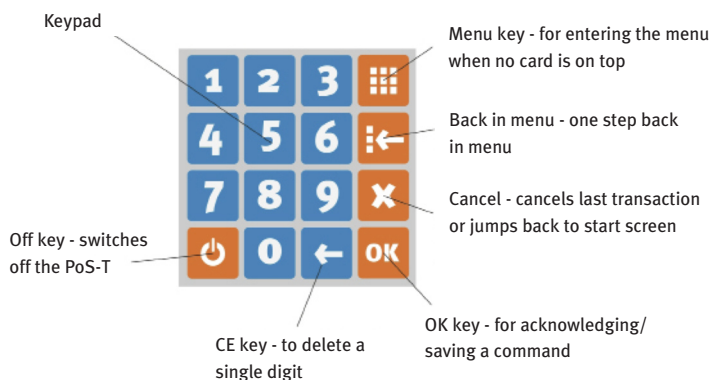# Point of Sale Terminal

Charging of NFC Prepaid cards

The Point of Sale-Terminal enables the charging and basic management of Prepaid cards. The cashier can use the PoS-T to charge the cards and assign rates to customers. All data and transactions are securely saved and can be transferred via USB to the software for further analysis on the server. To charge prepaid credit with the PoS-T, the cashier has to be identified at the PoS-T with an ID card and PIN so all transactions are traceable.

Radio linkage by mobile network

If the PoS-T is fitted with the optional radio module all transaction data is transferred directly via the iSAtech GSM/UMTS or the WiFi router respectively to the server. The PoS-T is powered by an internal, rechargeable battery.

Cardbed

Display

Keypad

Keypad

Menu key - for entering the menu when no card is on top

Back in menu - one step back in menu

Cancel - cancels last transaction or jumps back to start screen

Off key - switches off the PoS-T

CE key - to delete a single digit
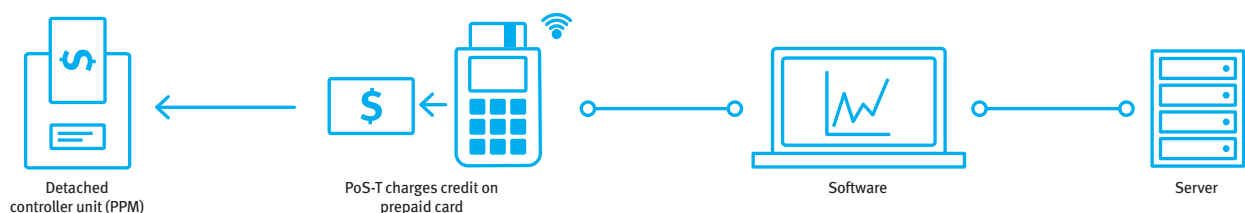
OK key - for acknowledging/ saving a command

Charging of Prepaid credit

Place a Prepaid card onto the powered Point of Sale-Terminal. If the Prepaid card is assigned to the PoS-T, it will display first the user and its corresponding rate. Then the current balance on the card is shown. Enter the amount to be charge and confirm. The Prepaid credit is charged to the card and the card is ready to use.

PoS-T and administration

The PoS-T is synchronized with the Management Software. All administration tasks can be realized comfortably and intuitively with our software. If the software is linked with the iSAtech Server, all data and statistics available anywhere, anytime. Additionally the PoS-T can send the data with a radio module directly to the Server.

Detached controller unit (PPM)

PoS-T charges credit on prepaid card

Software

Server

Technical Data

Charging	Prepaid Card		ID-Cards and PIN
Technology	NFC/RFID Card		Conform to standards for cryptographic processes of the German Federal Office for Information Security (BSI): BSI TR-02102-1
	ISO/IEC 15693-2,-3; 18000-3		
Connection	USB		
	433/868 MHz or 2,4 GHz*	**Conformity**	CE-Sign
Profil	Domestic		R&TTE-Directive 1999/5/EG
	Public Water	**Protection**	up to IP66
	Water quantities	**Temperature**	5 to 55° Degrees Celsius
	Time based supply	**Humidity**	0 to 85 %
Funktionen	Charging of Prepaid cards	**Dimensions**	100mm x 200mm x 26mm
	Creation of Prepaid cards		* optional
	Assignment of rates		
	Collection of logs		
	Canging of time at the PPW		
	Reading of logs of the PPW		
	Synchronization with the software		
	Creation of support cards		
	Login with ID cards		
	Changing the PIN		

Technical Data NFC-Card

Storage	2000 max. Log entries
	3000 max. User
Power	3,6 V lithium battery
	USB connection
	up to 14 days standby
Display	Full Graphic LCD
Language	English
	German
Security	AES-256

Prepaid-CARD

Typ	Cost efficient standard MIFARE Ultralight C card
Technology	ISO/IEC 15693-2,-3; 18000-3
Security	Applicativ: AES-256
	transaction numbers
	multiple unique keys