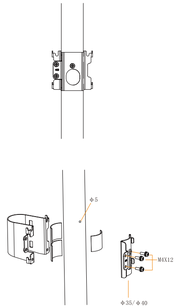
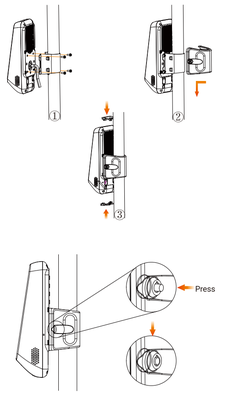
Bracket installation

1:Install the silicone sheet to attach the pipe and bracket.
2:Use screws to secure the fixed bracket on the pipe.
3:The bracket and the device are locked together by screws.
4:Install the holder and lock the device.

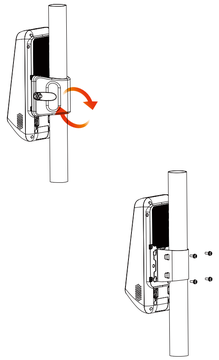


Notes:
The centeral conneter should be plugged in before installing the device.



Bracket uninstallaion

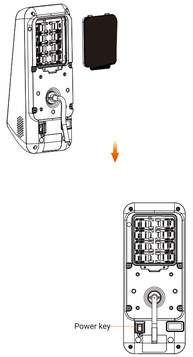
1: Unlock the device and unInstall the holder.
2: Uninstall the fixed bracket.



Boot up the device

1: Turn the switch to ON status..
2: Power on the device.

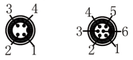
Notes:
1: The centeral conneter should be plugged in before installing the device.



Centeral Conneter

During the device assembly,the conneter will be shown in the back-casing.
Several signals, ports and power go through it, as detailed for information on the following illustration

Note: The device is using M12 aviation connector.



Group	Function	No	Color	Name
A	Power Input (Red)	1	Red	DC+
		2	Red+White	DC+
		3	Black	DC-
		4	Black+White	DC-
B	RS232+Relay (Red)	1	Blue+Red	NO
		2	Yellow+Black	COM
		3	Purple	NC
		4	White+Pink	TX
		5	Pink	RX
		6		GND
C	RS485 (Black)	1	Black+Grey	NC
		2	Yellow+Green	GND
		3	Yellow	485B
		4	White+Yellow	485A
D	WG IN/OUT (Black)	1	White	WG IN-D0
		2	Black+Pink	WG IN-D1
		3		GND
		4	Blue+Purper	WG OUT-D0
		5	White+Purper	WG OUT-D1
		6	NC	

For CE

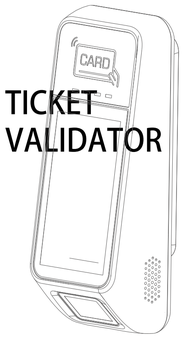
Manufacturer Information:	Telepower Communication Co., Ltd. UNITS 502 & 504 5/F, UNITS 201 & 203 2/F, BUILDING 5 ZONE A, HANTIAN SCIENCE & TECHNOLOGY PARK, NO.17 SHENHAI RD., GUICHENG STREET,NANHAI DISTRICT, FOSHAN, GUANGDONG, CHINA
Transmitter Frequency:	EGSM 900: 880-915MHz DCS 1800: 1710-1785MHz WCDMA 2100: 1920-1980MHz WCDMA 900: 880-915MHz LTE Band 1: 1920-1980MHz LTE Band 3: 1710-1785MHz LTE Band 5: 824-849MHz LTE Band 8: 880-915MHz LTE Band 20: 832-862MHz LTE Band 28: 703-748MHz LTE Band 38: 2570-2620MHz LTE Band 40: 2300-2400MHz LTE Band 41: 2496-2690MHz Bluetooth/BLE: 2402- 2480MHz 2.4G Wi-Fi: 2412-2472MHz/2422-2462MHz 5G Wi-Fi: 5150-5250MHz NFC:13.56MHz
Receiver Frequency:	EGSM 900: 925-960MHz DCS 1800: 1805-1880MHz WCDMA 2100: 2110-2170MHz WCDMA 900: 925-960MHz LTE Band 1: 2110-2170MHz LTE Band 3: 1805-1880MHz LTE Band 5: 869-894MHz LTE Band 8: 925-960MHz LTE Band 20: 791-821MHz LTE Band 28: 758-803MHz LTE Band 38: 2570-2620MHz LTE Band 40: 2300-2400MHz LTE Band 41: 2496-2690MHz Bluetooth/BLE: 2402- 2480MHz 2.4G Wi-Fi: 2412-2472MHz/2422-2462MHz 5G Wi-Fi: 5150-5250MHz NFC:13.56MHz GPS L1 C/A, BDS B1I: 1559-1610 MHz
RF-Output Power : ERP/EIRP/Conducted	EGSM900: 32.83dBm (GMSK), 26.92dBm (8PSK) DCS 1800: 27.67dBm (GMSK), 26.12dBm (8PSK) WCDMA 2100: 21.99dBm WCDMA 900: 21.97dBm LTE Band 1: 21.8dBm LTE Band 3: 21.9dBm LTE Band 5: 23.6dBm LTE Band 8: 23.9dBm LTE Band 20: 23.2dBm LTE Band 28: 23.0dBm LTE Band 38: 20.9dBm LTE Band 40: 22.7dBm LTE Band 41: 21.8dBm Bluetooth: 9.49dBm BLE: -1.04dBm 2.4G Wi-Fi: 17.35dBm 5G Wi-Fi: 5150-5250 MHz: 10.19dBm NFC: 23.26dBuA/m @ 3m

BE	BG	CZ	DK	DE	EE	IE	EL
ES	FR	HR	IT	CY	LV	LT	LU
HU	MT	NL	AT	PL	PT	RO	SI
SK	FI	SE	NO	IS	LI	CH	TR

In all EU member states, operation of 5150-5250 MHz is restricted to indoor use only.

The antenna of the product, under normal use condition is at least 0.2m away from the body of the user.

TICKET VALIDATOR

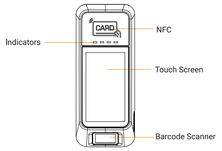


User Guide

Specification

OS	Android 12
Processor	Quad-Core 2.0GHz
Memory	2GB DDR, 16GB eMMC
Display	5.5-inch LCD
Communications	LTE/WCDMA/GPRS/WIFI/Bluetooth
Contactless Card Reader(Optional)	ISO14443 Type A/B, MifareJSO18092 compliant EMV Contactless L1, Paywave, Paypass (Optional) Felica(Optional)
SIM Slots	2 SIM eSIMs (Optional)
SAM Slots	6 SAMs
GPS	Built-in
External Antenna (Optional)	Support GNSS/LTE/WCDMA/GPRS
LED Status Indicators	Green/Yellow/Red/Blue 4 light optional
Environmental	Operating temperature:-20℃ ~ 60℃ Relative humidity: 5%RH - 98%RH Storage temperature:-40℃ ~ 70℃
Peripheral Ports	1 RS232, 1 RS485, 4 USB-A, 1 TYPEC, 1 DC Charge, 1 LAN Non-Standard POE:+12V/+24v 1 Relay, 4 GPIO(2x In,2x Out)
Built-in 1D/2D Barcode Reader	Hard Decoding
Switch	Key switch
Audio	Digital Audio Speaker
Power Supply	DC 9V~40V
Certification	CE,ROHS,IK06

Appearance



Indicators: Provide instructions during trading

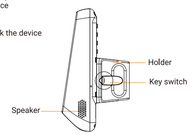
NFC: For card information trading

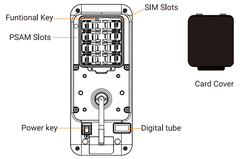
Scanner: For scanning payment information

Holder:
For holding the machine in place

Key switch:
Press: wake up the screen and lock the device

Key:
Use to unlock the device





Power key:
For booting the device.

Funtional Key:
For burning the firmware.

SIM Card Slots/PSAM Card Slots:
Note：To prevent system error, please make sure the device is turned off when you insert or remove the SIM cards.

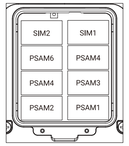
Environmental/Material
Operating temperature: -20℃ ~ 60℃
Storage temperature: -40℃ ~ 70℃
Relative humidity: 5%RH - 98%RH
1.5 M Anti-Drop

SIM Card & PSAM Card Installation

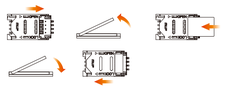
SIM Card , PSAM Card Installation and Uninstallation

1: Take out the card cover , the card sockets will be shown.

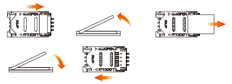
2: The top card slots is a SIM card socket and the psam card sockets is on the under.



Installation process:



Unstallation process:



Note:In the process of removing and placing the card, please reduce the force slightly.

Card Reading

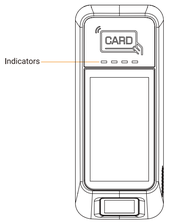
NFC tag, put the NFC tag over the case of the device.

Note: you need to move the card chip closer to the center of the NFC icon.

1D/2D Barcode Reading

Put paper ticket or Mobile phone to the reading area.

Indicator adjustment



Indicators:
Each indicator light can be individually controlled, with a total of three colors that can be adjusted, including red, green and blue. There are three kinds of logic used when using indicator lights
1: All green lights – successful payment.
2: All red lights - failure to pay.
3: The lights turn on from left to right - generally used to show the progress of transactions.

Accessories

Main Device	1Set
User Guide	1Volume
SiliconeSheet	3Pieces
Metal bracket	1Pieces
Key	1Pieces
M4*12 Screws	6Pieces

Before using the smart terminal, ensure that all the accessories above are included in the package.

If you have any problems, please contact the services provider of the distributors.

Statements
The Company does not assume responsibilities for the following actions:
Damages caused by use and maintenance without complying with the conditions specified in this guide.
The Company does not assume any responsibilities for the damages or problemscaused by optional items or consumanbkes (rather than the initial products or approvedproducts of the company).The customer is not entitled to change or modify the product without our consent.
The product's operating system supports official systemupdates, but if you change the operating system into a third party ROM system or alter the system files by system cracking, it may cause system instability and security risks and threats.

Disclaimer
As a result of product upgrading, some details in this document may not match the product, and the actual product shall govern.
The Company reserves the right of interpretation of this document.
The company also reserves the righe toaiter this specification without prior notice.

Ticket Validator

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 25cm between the radiator& your body.