Bezel 8-ESD Unattended Payment Device

Bezel 8-ESD is a all-in-one unattended card reader. It supports mag-stripe card, EMV / ISO 7816 card and contactless card. The small footprint size of the device makes it easily to integrate to the current transaction system such as vending machine. The device communicates with Vending host by RS232.

FEATURES
- All-in-one Payment Interface (ICC/MSR/Contactless)
- LCD display (128 x 64 mono LCD with backlit)
- RS232
- Linux OS, provide payment applications such as EMV L3
- Firmware is downloadable (from remote management application)
- Support Paypass, Paywave, express pay, D-PAS
- Support surface mount

Specifications

Processor	USIP IC0400 @ 96MHz
Memory	Flash: 16MB, SDRAM: 16MB
LCD Display	128 x 64 mono graphic LCD with backlight
Magnetic Stripe Reader	ISO 7811; triple track reading
Smart Card Reader	ISO 7816; support 3V and 5V
Contactless	All layers of ISO 14443 type A & B communication scheme
Cryptography Algorithm.	DES, 3DES, SHA, MAC, AES, and RSA
User interface	-. 2 x buttons for user control -. 4 x led for contactless reader indication -. 1 x led for ICC guiding indication -. 1 x led for MSR guiding indication
Communication – main	RJ50 (RS-232 with power)
Communication – aux	RJ11 (RS-232)
Network communication	WiFi 802.11 b/g/n
Battery for RTC	Coin battery 5-year
Power	Input 5VDC/1A (main interface)
Weight	244g
Dimensions	107X84X49.7 mm
EMV certification	-. EMV contact L1 & L2 -. EMV contactless L1
Card brands certification	Visa PayWave, Mastercard Paypass, American Express, Discover D-PAS
Regulations	FCC class B, FCC ID, RoHS
Operating temperature	-20℃~+70℃
Storage temperature	-30℃~+80℃
Humidity	5% ~ 95% (non-condensing)
IP rating	IP54
IK rating	IK06

AGENCY APPROVAL

- Specifications for FCC Class B

  Changes or modifications are not expressly approved by the manufacturer could void the user's authority to operate the equipment.

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 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.

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 tec hnician for help.

You are cautioned that any change or modifications to the equipment not expressly approve by the party responsible for compliance could void your authority to operate such equipment.
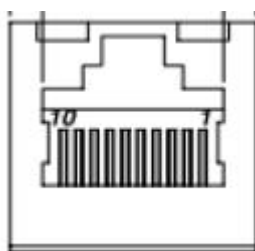
Installation

The main interface and power source of Bezel 8-ESD is via the RJ50 port. Users should follow the pin assignment and provide the input power/RS-232 communication accordingly.

RS232/USB PIN Definition

Serial Port Description

The 5.0Vdc power comes from the external 5V@1A adaptor , the 5.0V power comes from internal regulator .

Pin Assignment

PIN	RJ50
1	Interface type_SEL(0=RS232、1=Reserved)
2	VCC 5V
3	VCC 5V
4	GND
5	GND
6	RS232_RX
7	RS232_TX
8	Reserved
9	Reserved
10	Reserved