

KY8600 ATM introduction

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1 Product Introduction

1.1 Brief Introduction

KY8600 series ATM is a high performance and reliable ATM product provided by Shenzhen KEYU Co., Ltd for the deployment of off-premise ATM, selfservice banks, savings banks, large malls, starred hotels, large factories and mines, high schools and large amusement parks etc.

This series contains two models: KY8650 standalone selfservice ATM, and KY8620 wall-through ATM with internal display. Both of these models are utilising the unique design of anti-vandalism, water-proof and dust-proof mechanism to leverage the durability and security of ATM products for 7/24 operation standards.

The module of the ATM is provided by Fujitsu or NCR depending on the requirement of the users.

Standards of the products: "General regulation of ATM: GB/T 18789-2002"; compliant to UL291 level 1 and provide the drivers for WOSA/XFS CEN.

1.2 Applications

- ✓ Bank cash withdraw
- ✓ School tuition and scholarship cash withdraw
- ✓ Theme park cash withdraw
- ✓ Casino counter/coin redemption
- ✓ Airport exchange giving
- ✓ Mines and factories Salary dispensing

- ✓ Car Wash changes giving
- ✓ **Off-premise ATM for un-attended banks**

1.3 Features

- ✓ Cost-effective full-function ATM
- ✓ Reliable large volume cash dispensing module
- ✓ With front and rear accessible safe
- ✓ UL291 Level 1 compliant
- ✓ Drivers for WOSA/XFS CEN
- ✓ Slim enclosure, very easy to use in various applications
- ✓ Anti-skimming card reader
- ✓ **Short leadtime: stock available for sample in 7 days to shipment**

2 Product specifications

2.1 Product appearance



(image for reference only.)

Image 1. KY8650 appearance

1 Cash out method:

Friction cash

dispensing/stacked cash
dispensing/max60 notes
per transaction.

2 Speed: 7 notes/s.

3 **Cash box:** Default 1
cassettes, expandable to
4(no UPS) or 3(with UPS),
3000 notes per cassette.



(image for reference only.)

Image 2. KY8620 appearance

2.2 technical introduction

(1) Complete function and diversified withdraw method

Accept the transaction request using ISO standard magnetic card or bankbook(optional) to withdraw, transfer,inquiry, change password and other intermedia business which defined by the host computer of the bank.

(2) Exquisite appearance, variable configurations and easy installation

The dimensions of this machine is slim, modern style and sturdy. It is suitable for deployment for off-premise selfservice banks, savings banks, large malls, star hotels,

large factories and mines, schools and universities etc.

(3) Quality guarrantly, low-price, and high effecient

The core module: cash dispenser is provided by FUJITSU or NCR. It's a highspeed, high reliability module which is the most popular in serious ATM projects. The large dispensing amount in single transaction provides the ability to dispense 60 notes in one transaction to make sure the large amount withdraw more comfortable.

3 Main functions

3.1 Business functionality

(1) Bank transaction service

Include withdraw, change password, balance inquiry, detail inquiry, transfer and intermedia operation.

(2) Cash handling function

The cash dispensing module has the electronical shutter, automatic retract function; utilising the stacked cash dispensing function, with cash escrow and defected notes box. Standard configurations has 1 cassettes, and scalable to 3 cassettes(if without internal UPS, the cassettes can be extended to 4 total). 3000 notes per cassette.

3.2 Management function

(1) Support bank management service

Including active manage service and passive manage

service. For example: CASH REPLENISHMENT, CLEAR CASSETTES, ACCOUNT BALANCING POSTING, PARAMETER DOWNLOAD, KEY MANAGEMENT etc; REMOTE LOGIC POWER-ON, REMOTE LOGIC POWER-OFF, STATUS INQUIRY etc.

(2) Support all kinds of credit and debit cards

The cardreader is the motorised hybrid reader, and it can read HI-CO/LO-CO magnetic card, IC card, and PAYPASS contactless card.

(3) Support electronic and printed journal

Provide electronic daily journal and printed daily journal functions

(4) Providing receipt printing and presenting function

3.3 Security Function

(1) Providing software and hardware encryption function

(2) Providing anti-peak function

(3) Providing 4 channel video recording camera(3 internal and 1 external)

(4) Providing embedded digital video surveillance system

(5) Providing digital HDD video recorder(optional)

(6) Providing vibration alarm and body/face mask sensor alarm(optional)

3.4 Other function

(1) Providing UPS power(default)

(2) Providing heater module(optional)

(3) Supporting WOSA CEN/XFS protocol SP drivers

(4) Certificated by CCC and Police security standards.

4 Detailed technical standards

4.1 KY8650 stand-alone ATM main technical standards

KY8650 stand-alone selfservice ATM main technical parameter			
Item	Parameter Name	Technical standards	Remarks
01	Installation	Standalone	
02	Maintenance	Front-open(the electronic cabinet open front and rear; the safe open only front)	
03	Industrial Host	ADVANTECH industrial host computer with 10COMs, 1 or 2 ethernet, 4 USB2.0, 1 VGA and 1 PS/2 M/K ports CPU frequency: > 2.0G HZ, RAM: >1G, SYSTEM HDD: >16G, Surveillance HDD: > 320G, 4 channel video capture card	
04	Cash Dispensing Method	Friction cash dispensing/Stacked cash dispensing/max bundle 60 notes per transaction	
05	Cash Dispensing Protection	Electronic shutter/stacked cash-out retractable	
06	Cash Dispensing Speed	7 notes/s	
07	Cash Cassettes Capacity	Standard 1 cassettes, expandable to 3 -4 cash cassettes. 3000 notes per cassette	
08	Rejected notes Vault/Escrow box	In the first cash box, the capacity is around: 150 notes	
09	Display module	15 inch colored LCD display(220 nits)	
10	EPP Metal keypad	16 keys stainless steel anti-vandalism, water-proof, dust-proof metal keyboard, drill-detectable, shake-detectable, shock-detectable; 8 function keys side keypad bar; DES and 3DES encrypted(PCI3.0 keypad optional). Keypad shield with anti-peak function	
11	Status change switch	Operation status and maintenance status	
12	Receipt printer	80mm width thermal printer(paper roll diameter: 150mm). with black mark positioning and icon printing function, support all character sets(need special settings for some charactersets). The font	

		is expansible; supporting partial/half cut or full-cut; with paper presenter(optional)	
13	Journal printer	76mm width dot-matrix impact printer(paper roll diameter 80mm) – support electronic daily journal. Support English and Chinese character sets. Support dual-color(red and black) journal printing(optional)	
14	Card reader	Electronic motorised card reader, support ISO standard magnetic credit and debit cards, IC credit and debit cards, PAYPASS cards; anti-skimming function(un-regular bezel and un-regular speed card-draging); support EMV functions.	
15	Safe	Compliant with UL291 L1 24H standard, with mechanic lock seal and mechanic password lock	
16	Advertisement lightbox	The keypad and operation panel can be lighted in the nights. With ON/OFF timer	
17	Indicator LED	Indicator for cash out outlet, card reader outlet, receipt printer outlet; Four status of indicators: ON, OFF, Slow-blink and quick-blink	
18	Door status detection	Detecting the safe, electronic cabinet front/rear door open-close status real-time	
19	Power input	AC 180V~240V 50Hz.	
20	Power management module	Important modules power-on asynchronously	
21	Auxiliary components	Stereo speaker, security awareness anti-peak mirror	
22	Temperature range	Operation: 0°C~45°C(below 0°C must use heater) Storage: -20°C~55°C	
23	RH	20%~95% (NC)	
24	Outline dimensions	H: 1630mm x W: 428mm x D: 882mm	
25	Weight	Around 350Kg	
26	Embedded digital video surveillance system	Support real-time HDD monitoring; support online operation. Providing PIN entry area shield function to ensure the security of information; with card number video -in and card inquiry function; supporting at least 4 channel camera input systems; Area field function to protect the secret information from been recorded	
27	Digital HDD	Support digital real-time HDD recorder and	3 channels

	recorder(DVR)(optional)	playback; support network operation; support 4 channel recording input; support dynamic invasion detection, support video camera mask detection and area mask detection function.	internal camera, and 1 channel external camera
28	Shake alarm and body/face mask sensor(Optional)	Support shake alarm and body/face mask detection	
29	Heater(optional)	300W, max temperature 20°C, support automatic power-on and temperature control	
30	UPS power supply(optional)	300 / 500W, online 15 mins UPS	

4.2 KY8620 Wall-through ATM main technical standards

KY8620 Wall-through ATM main technical specifications			
Item	Parameter Name	Technical standards	Remarks
01	Installation method	Wall-through	
02	Maintenance	Rear maintenance(electronic cabinet open front and rear, the safe open only rear)	
03	Industrial Host	Industrial motherboard, with 10 COMs, 1 ethernet, 4 USB2.0, 1 VGA and 1 PS/2 M/K ports CPU frequency: > 2.0 GHz, RAM: >1G ; system HDD: > 16G; surveillance HDD: >320G 4 channels video capture card	
04	Cash Dispensing Method	Friction cash dispensing/stacked cash dispensing/max bundle 60 notes per transaction	
05	Cash Dispensing Protection	Electronic shutter/stack notes retractable	
06	Cash Dispensing Speed	7 notes/s	
07	Cash Cassettes Capacity	Standard configuration: 1 cassette, expandable to 3 cassettes. 3000 notes per cassette	
08	Defected notes box/Escrow box	Within the first cassette, capacity: 150 notes	
09	Display module	15 inch color LCD monitor(220 nits)	
10	EPP Metal keypad	16 keys stainless anti-vandalism, water-proof, dust-proof steel keypad; 8 function keys side bar; with DES and 3DES algorithm; with peak-proof mechanism	
11	Status change switch	Running status and maintenance status	
12	Receipt printer	80mm width thermal printer(paper roll diameter 150mm); with black mark sensor and icon printer, support English and Chinese characterset by default with expandable characterset. Support partial/half cut and full cut	
13	Journal printer	76mm width dot-matrix impact printer(paper roll diameter 80mm) – support electronic dialy journal. Support English and Chinese characterset by default. Support Red and black	

		dual color printing(optional)	
14	Card reader	Electronic card reader, support ISO standard magnetic credit and debit cards, IC credit and debit cards, PAYPASS cards; anti-skim function(un-regular bezel and un-regular speed card-draging); support EMV functions.	
15	Safe	Compliant with UL291 L1 24H standard, with mechanic lock and mechanic password lock	
16	Advertisement lightbox	The keypad and operation panel can be lighted in the nights. With ON/OFF timer	
17	Indicator LED	Indicator for cash out outlet, card reader outlet, receipt printer outlet; Four status of indicators: ON, OFF, Slow-blink and quick blink	
18	Door status detection	Detecting the safe, electronic cabinet front/rear door status real-time	
19	Power input	AC 180V~240V 50Hz.	
20	Power management module	Important modules power-on asynchronously	
21	Auxiliary components	Stereo speaker, rear-mount security awareness anti-peak mirror	
22	Temperature range	Operation: 0°C~45°C(below 0°C must use heater) Storage: -20°C~55°C	
23	RH	20%~95% (NC)	
24	Outline dimensions	H: 1753mm x W: 560mm x D: 1080mm	
25	Weight	Around 350Kg	
26	Embedded digital video surveillance system	Support real-time HDD monitoring; support online operation. Providing PIN entry area shield function to ensure the security of information; with card number video -in and card inquiry function; supporting at least 4 channel camera input systems; Area field function to protect the secret information from been recorded	
27	Digital HDD recorder(DVR)(optional)	Support digital real-time HDD recorder and playback; support network operation; support 4 channel recording input; support dynamic invasion detection, support video camera mask detection and area mask detection function.	3 channels internal camera, and 1 channel external camera
28	Shake alarm and	Support shake alarm and body/face mask	

	body/face mask sensor(Optional)	detection	
29	Heater(optional)	300W, max temperature 20°C, support automatic power-on and temperature control	
30	UPS power supply(optional)	300 / 500W, online 15 mins UPS	
31	Rear maintenance LCD panel	5.1 inch LCD support Chinese and English display, 24 keys membrane switch keyboard	

5 Contact us

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