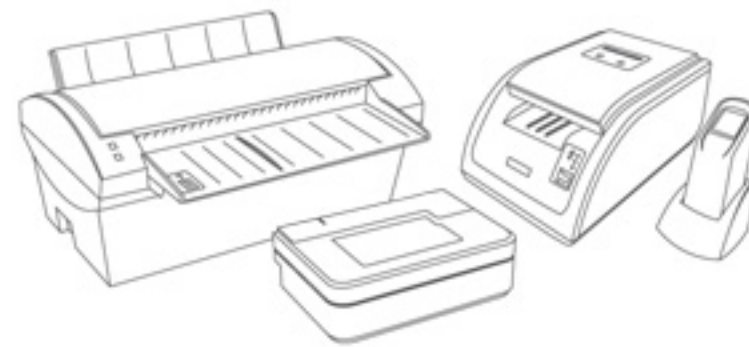
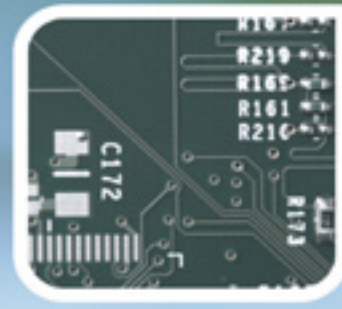
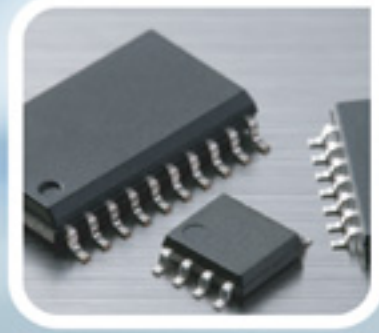


# HIGH SPEED SCANNER PROCESSING EQUIPMENT

QuantumScan / ID Scanner / A4 Scanner(module) / USW20 / EZcaller / MUS





## About HaSolnTech

- Founded in 2001, HaSolnTech will be a leader in Global Scanner Technology Machines.
- HaSolnTech specializes in Scanner Technology Machine products including : QuantumScan, A4 Barcode Document Reader, ID Scanner, Lottery Ticket Scanner Module, Card Deposit, USB Solution.
- HaSolnTech outstanding performance in the global market is because of its efficient capabilities, manufacturing, quality control and product promotion.

HaSolnTech will provide technical assistance, sales support and express shipping.

HaSolnTech is ready to meet the demand for larger and rapidly growing global market.

# History of HaSolnTech

## • 2010s

2013. 06. Release of QuantumScan

2012. 09. Release USB Extension Solution (HSIT-MUS)

2011. 05. Release Card Deposit Cartridge (HSIT-IDMC)

2010. 03. Release A6 Lottery Scanner Controller

## • 2000s

2009. 05. Release A4 High Speed Scanner (HSIT-200B)

2005. 12. Registered Factory & Venture

2005. 11. Release of ID Card Scanner (HSIT-ID600)

2003. 05. Established R&D Center and registered Venture company

2002. 03. Release of EZcaller

2001. 09. Inauguration of company and release of Lotto Scan Module





# QuantumScan

High Performance Livescan with Liveness detection

- Flatbed scan technology
- High Quality 600 DPI Color Scan
- Readable OCR, BARCODE Recognition
- Easy to use in various field applications (ID Card, Fingerprint & Stamp Etc.,)
- USB 2.0 Interface
- Available BMP, JPG File Format
- Optional suspect ID Card Detection (UV, IR)
- Optional Rechargeable Battery

# General Specifications

# QuantumScan

## Feature

- Flatbed scan technology
- High Quality 600 DPI Color Scan
- Readable OCR, BARCODE Recognition
- Easy to use in various field applications (ID Card, Fingerprint & Stamp Etc.,)
- USB 2.0 Interface
- Available BMP, JPG File Format
- Optional suspect ID Card Detection (UV, IR)
- Optional Rechargeable Battery

## Specifications

Card Size	ISO7811 Credit Card Size
Scan Resolution	Max. 600 DPI
Scan Speed	Max. 1.2sec
Color	24 bit True Color, IR Image (Suspect Detection)
Scan File Format	BMP, JPG
Sensor Method	Single CIS
S/W Interface	Supported TWAIN Driver
Interface	USB 2.0 High Speed
Power	AC 100~240V 50/60Hz / 12V 2.5A
Dimension	156(W) x 106(D) x 51(H) mm
Weight	Approx. 525g

## Battery (Option)

Type	Lithium Polymer
Power	12V / 0.75A
Charge Time	Approx. 4 hour

## Requirements

OS	Windows XP, Vista, 7, 8 (32/64bit), Linux, Android 4.0
CPU	Min. Pentium III 1GHz
RAM	Min. 256MB





# HSIT-ID600

ID CARD READER

- Built-in Dual Side Color CIS
- High Quality 600 DPI Color Scan
- Duplex Image Scan
- Readable OCR, BARCODE Recognition
- Available BMP, TIF, JPG File Format
- USB 2.0 Interface
- Optional suspect ID Card Detection (UV, IR)

# General Specifications

# HSIT-ID600

## Feature

- Built-in Dual Side Color CIS
- High Quality 600 DPI Color Scan
- Duplex Image Scan
- Readable OCR, BARCODE Recognition
- Available BMP, TIF, JPG File Format
- USB 2.0 Interface
- Optional suspect ID Card Detection (UV, IR)

## Specifications

<b>Card Size</b>	ISO7811 Credit Card Size
<b>Scan Resolution</b>	100 ~ 600 DPI Duplex
<b>Scan Speed</b>	Over 54 mm/sec
<b>Color</b>	24 bit True Color, 8 Bit Gray
<b>Scan File Format</b>	BMP, TIF, JPG
<b>Scan Side</b>	Dual Side Scan (at once)
<b>S/W Interface</b>	Supported TWAIN Driver
<b>Interface</b>	USB 2.0 (USB Hub)
<b>Power</b>	DC 12V, 2.0A
<b>Dimension</b>	117(W) x 171(D) x 79(H) mm
<b>Weight</b>	Approx. 740g

## Fingerprint Module (Option)

<b>Interface Type</b>	USB 1.1
<b>Resolution</b>	500 DPI
<b>Voltage</b>	5 V (USB Power)
<b>Dimension</b>	25.3(W) x 40.7(D) x 67.7(H) mm

## Requirements

<b>OS</b>	Windows XP, Vista, 7, 8 (32bit, 64bit), Linux, Android 4.0
<b>CPU</b>	Min. Pentium III 1GHz
<b>RAM</b>	Min. 256MB



# HSIT-200B

## General Specifications



### HSIT-200B

#### A4 Barcode Document Reader & Thermal Endorser

##### Feature

- Built-in Thermal Endorser
- High Speed 200 DPI Color Scan
- Excellent Cash & Ticket Processing System
- Readable OCR, BARCODE(1D, 2D)
- Available BMP, RAW, TIF, JPG File Format
- USB 2.0 Interface
- Optional Thermal Print Head

##### Specifications

Paper Size	Max. 216 x 330 mm
Scan Resolution	200 DPI RGB Color
Scan Speed	Max. 300 mm/sec
Color	24 bit Color, 1, 4, 8 Bit Gray Color
Scan File Format	BMP, RAW, TIF, JPG
Interface	USB 2.0
Power	DC 24V, 2.5A
Dimension	300(W) x 180(D) x 225(H) mm
Weight	Approx. 3.1g
Option	Dual Side Scan (at once)

##### Endorser

Print Type	Thermal
Resolution	200 DPI, 8dot/mm
Print Width	24 mm

##### Barcode

1D	Code39, Code128, I2of5, UPC/EAN, Codebar, Code32, Code93
2D	PDF417, QR, Data Matrix

##### Requirements

OS	Windows XP, Vista, 7, 8 (32/64bit), Linux
CPU	Min. Pentium III 1GHz
RAM	Min. 256MB





# General Specifications

# HSIT-200M

## HSIT-200M

### A4 Lottery Ticket Scanner Module with TPH

#### Feature

- High Speed 200 DPI Gray/Color Scan
- Excellent Lottery Ticket Processing
- Readable OCR, BARCODE(1D, 2D)
- Available BMP, RAW, TIF, JPG File Format
- USB 2.0 Interface
- Optional Thermal Print Head

#### Specifications

Paper Size	Min. 75 x 70mm / Max. 216 x 330 mm
Scan Resolution	200 DPI RGB Color
Scan Speed	Max. 480 mm/sec (Gray)
Color	24 bit Color, 1, 4, 8 Bit Gray Color
Scan File Format	BMP, RAW, TIF, JPG
Interface	USB 2.0
Power	DC 24V, 2.5A
Dimension	252(W) x 115.5(D) x 88.4(H) mm
Weight	Approx. 2.1kg

#### Endorser

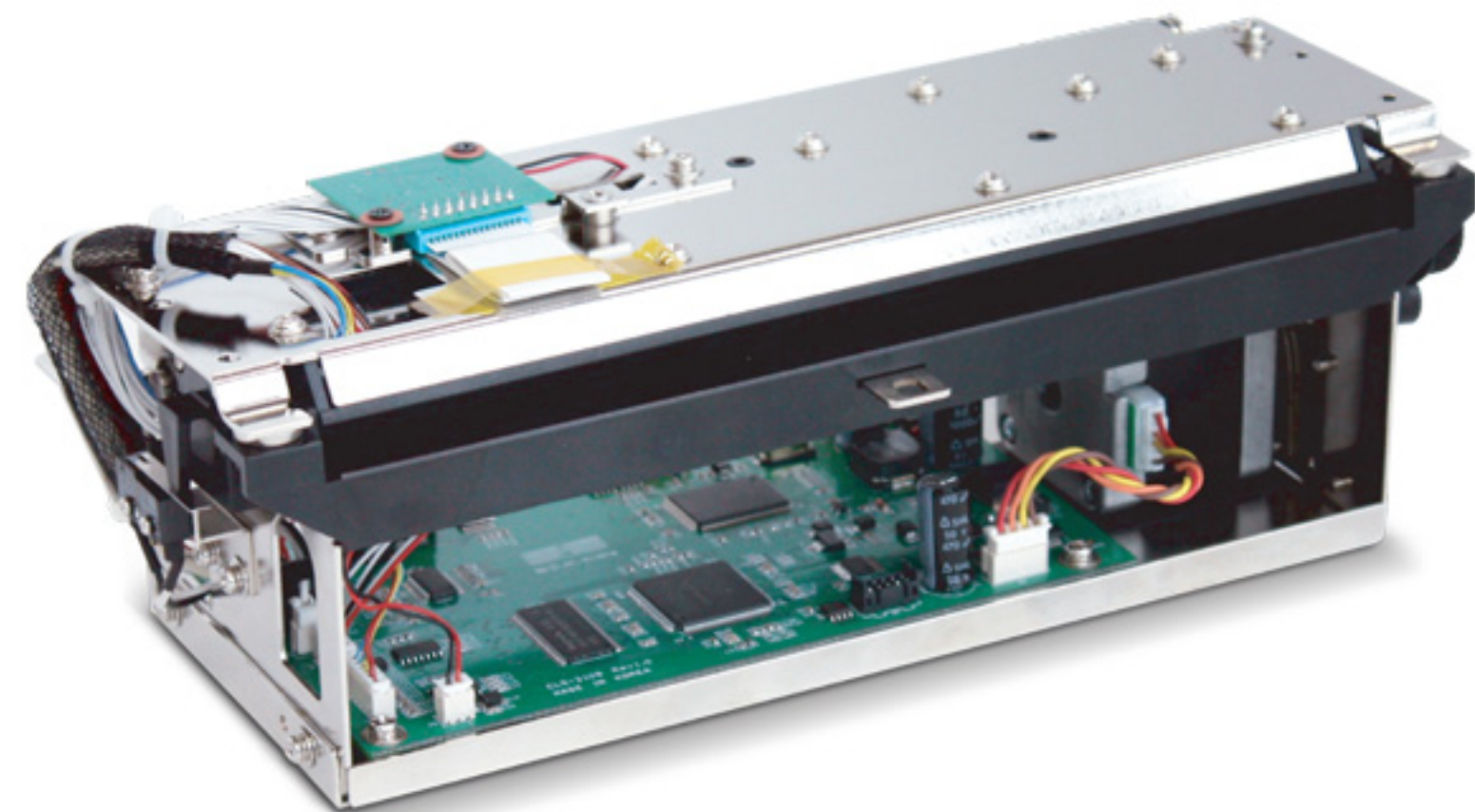
Print Type	Thermal
Resolution	200 DPI, 8dot/mm
Print Width	24 mm

#### Barcode

1D	Code39, Code128, I2of5, UPC/EAN, Codebar, Code32, Code93
2D	PDF417, QR, Data Matrix

#### Requirements

OS	Windows XP, Vista, 7, 8 (32/64bit), Linux
CPU	Min. Pentium III 1GHz
RAM	Min. 256MB



# HSIT-USW20



## General Specifications

### Feature

- Easier Integration (Max. 2 Switches)
- USB 2.0 Interface (Compatible with USB 1.0)
- Sharing USB Peripheral between two USB hosts
- Supported USB HID CLASS

### Specifications

Dimension	66.5(W) x 66.5(L) x 25(H) mm
Weight	Approx. 56.5g

# EZcaller

Color   



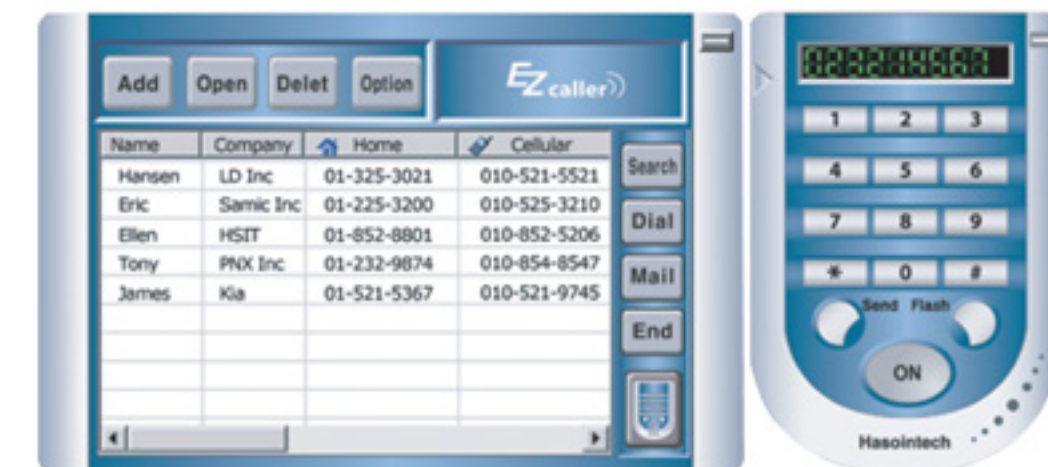
## EZcaller

One-Click meets all your needs from taking a message while calling long continuous calls and program that is compatible with Outlook Express. It will make your job a whole lot easier. Easy installation with USB works independently with no additional power just like normal phone.

### Feature

- User-Friendly
- Easy Installation
- Low cost
- Powerful and stable
- Various Expansions

### Program



# General Specifications

# HSIT-MUS

## Feature

- Equipped with 8 upstream & downstream Ports
- USB Peripheral sharing and switching
- High Throughput (Max. 60m)
- Easier Integration (Max. 8 Switches)
- USB 2.0 Interface
- Minimum Host Overhead

## Specifications

Interface	USB 2.0
Connector	Available all types USB connector
Extension length	Max. 60m (From PC to Device)
Connection	Max. 8 PC & 8 USB
Power	AC 100~240V 50/60Hz / 12V 2.5A
Dimension	345(W) x 200(D) x 75(H) mm
Weight	Approx. 2700g

## Requirements

OS	Windows XP, Vista, 7, 8 (32/64bit)
CPU	Min. Pentium III 1GHz
RAM	Min. 256MB

## Applications



**HaSolnTech**  
*Hardware Software Interface Technologies*  
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