

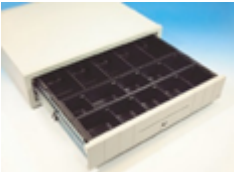
Approved hardware, connections and network prerequisites

- [TICKETING](#)
 - Touchscreen cash-desk or back-office desk
 - Borne
- [ACCESS CONTROL](#)
- [NETWORK PREREQUISITES](#)
- [CONNECTIONS](#)

TICKETING

Touchscreen cash-desk or back-office desk

Device	Brand, Model	Photo
PC, keyboard, mouse	Standard Desktop PC • Windows 10 or 11 • Keyboard, mouse • 8GB RAM, CPU>3 GHz • 128GB SSD hard drive • Available USB ports for peripheral devices • Screen : 1280 x 900 ou 1280x1024 ou 1600 x 900 ou 1920 x 1080 • Adobe Acrobat Reader • Latest version of SecuTix Firefox kit specified in the latest release note • Antivirus • Success at our performance test at https://cube.demo-pos.secutix.com/tnsx/support/performanceIndex We strongly recommend to make tests on a test device.	
Touch screen	iiyt1932msc3 – T1932MSC-B5X iiyama ProLite T1932MSC, 48,3 cm (19"), projected capacitive, 10 pts, black touchscreen monitor (5:4), 48,3 cm (19"), touchscreen, projected capacitive, multi-touch (10 pts), 1280x1024 pixels, VESA bracket (100x100 mm), 14ms, brightness, 225cd, viewing angle, 178/178° (H/V), contrast: 1000:1, VGA, DisplayPort, HDMI, touch interface: USB, IP54, included: cable (USB, audio, HDMI, Display Port), power supply, mains cable, manual, driver CD, QSG, colour: black	blocked URL
Touch screen	21.5-inch touchscreen IYAMA T2252MSC screen 16/9 touch 21,5 monitor touch (16:9), 54,6 cm (21,5"), capacitive, multi-touch, resolution: 1920x1080 pixels, VESA flange (100x100 mm), speaker, response time 5ms, brightness 225cd, viewing angle 178/178°(H/V), contrast: 1000:1, connexion: USB, DisplayPort, HDMI, included: cable (USB, HDMI), power supply: power supply unit, power cord, QSG, colour: black	blocked URL
Touch screen	Elo 1002L, 25.4 cm (10"), projected capacitive, 10 pts, black ref E160104 Touch screen (zero-bezel, 16:10), 25,4 cm (10"), projected capacitive, 10 points, 1280x800 pixels, VESA bracket (75x75 mm), 25ms, brightness, 315cd, contrast: 700:1, screen surface, antiglare, USB (type C), VGA, HDMI, included: cable (USB, HDMI), power cord (EU), order separately: stand, colour: black, Elo Table Top / Pole Stand, short	blocked URL
Client screen for displaying the basket	Engage one 10T display in. USB C connection 1280x800 display - USB HP 10-inch customer display ref: 1XD81AA	blocked URL
Client screen for displaying the basket and seating plan	Valid screen resolutions are 1280 x 960 or 1280x1024 or 1600 x 900 or higher	

Cash drawer	SecuTix supports the DT105U USB adapter / trigger. Any drawer that supports this trigger can be used. SecuTix supports USB/RJ12 DT 105 adapter / trigger. SecuTix only provides only the following models: • SL 3000 CostPlus cashbases with horizontal opening • Cashbases 460 MOD Flip-Top with vertical opening	 
Thermal ticket printer	Boca DT275 or Boca 'Lemur' FGL firmware 46 or 26 • USB port • Powered USB 2.0 hub • Ticket cutter • 300 dpi (or 200dpi) Dimensions (W x H x P): 186 x 196 x 216mm (+ space behind for paper entry + space for paper stock (below, on top, or behind))	
Thermal ticket printer - for US market only	SATO CT408iDT • LAN connection • Ticket cutter • 203 dpi	
Receipt printer	FR, DACH, CH, US Epson TM-T88VII • USB connector • Standard USB cable https://www.epson.ch/produkte/retail/pos-drucker/pc-pos-printers/epson-tm-t88vii-series/p/31650 This device require the installation of Epson software EPSON TM-T88VII ◦ RS232 ◦ With serial cable EPSON suitable for the printer ◦ Cable serial 9Pin f/25 Pin m, 1.5m, black, crossed type, curled thumb screw ◦ Converter USB to RS-232 with port DB9 The USB adapter must be compatible with the version of the operating system and the desktop solution This option is not recommended but can be choose if the installation of the Epson software is impossible.	
Receipt printer for Italy (fiscal printer)	EPSON FP811II RT https://www.epson.it/it_IT/prodotti/retail/stampanti-pos/stampante-pos-%28tm%29/epson-fp-81ii-rt-%28013jn%29%3A-italy-fiscal%2C-ps%2C-lcd-std%2C-eth%2C-80mm%2C-k23%2C-ecw/p/28661	blocked URL
Electronic payment terminal (TPE): Designed for the French market	Payment solution provided by SecuTix SecuTix and its payment service provider Mojovida carry out the delivery of the equipment, of the payment system, and the support. The solution deployed Ingenico 'Desk5000' and Ingenico Axis K4 solution (replaced the Ingenico ICT25x solution) ◦ Pin pad 'DESK1500' ◦ Contactless payment on the Pin pad ◦ Operating system Telium 2 ◦ Axis K4 running on the Desk5000 ◦ Protocol 6 ◦ RS232 or USB connection with Aten converter USB to RS-232 serial converter on DB9 port ◦ Network plug for the TPE ◦ Licences EMV. Optional: American Express, JCB, CUP ◦ Ingenico e-portal ◦ Onboard mode	

Electronic payment terminal (TPE) Designed for the Swiss market	SIX Yomani Pinpad • Ethernet • MPD driver • Be sure to check "SIX MPD with manual open / close" for the configuration on SecuTix side. SecuTix does not deliver this equipment. The customer buys the device, its installation and maintenance by SIX. Note that the ports 8137 and 8138 must be opened on the PCs hosting the MPD. Dimensions (W x H x P): 116 x 105 x 170mm	
Lecteur encodeur de chèques Pour marché français	Ingenico Moneyline I2200 • Nécessite un TPE. Il faut également prévoir le câble qui permet de connecter le lecteur de chèque et le TPE. • Nécessaire d'inclure une licence pour l'application Chèque sur un ou plusieurs TPE.	
Terminal de punto de venta (TPV) Spanish market	• Pin pad IPP320 (con lector de tarjetas)	
2D Barcode scanner	Honeywell Voyager 1400g • USB • Special configuration for the "touch sales" screen	
A4 document printer	Any Windows supported printer should work. We must anyway strongly advise against the following printer, with which there is a big speed issue: • HP Laserjet M601, M601, M602, M603, M605	
Lecteur RFID	ACR122 with Read-a-card software. To be acquired directly by the client. This is not provided by SecuTix, as you need a licence at your name. ACR122: https://www.acs.com.hk/en/products/3/acr122u-usb-nfc-reader/ Read-a-card software: https://www.smartcardfocus.com/shop/ilp/id-560/read-a-card-software-e-license/p/index.shtml	
Monochrome, one sides card printer	Evolis 2 (no RFID feature) PM2-0025-E Primacy 2 Duplex Expert • Ethernet and USB port as standard • Black and white or color • Single face printing Evolis Primacy Contactless PM1H00HSRS • USB port only (ethernet is not supported for the contactless part) • Black and white or color • Single face printing • SpringCard Crazy Writer HSP Contactless Encoder Warning : the only supported card format is MiFare	blocked URL  

Borne

Device	Photo
ONLY FOR FRENCH MARKET A standing borne-type box made of electrically galvanized sheet and painted according to the RAL standard; anchored to the floor, one or two side. It includes: • Industrial PC • Shielded touch screen 42" • A Zebra TTP2010 receipt printer • A BOCA DT275K ticket printer • An Ingenico iSelf iUP250 TPA + iUR250 with contactless payment • An inverter enabling the completion of the selling cycle and payment in case of power failure, before bringing the borne to a paused state • A unique colour chosen from the RAL palette • Decoration with the application of stickers (serigraphy decoration also possible as an option)	

ACCESS CONTROL

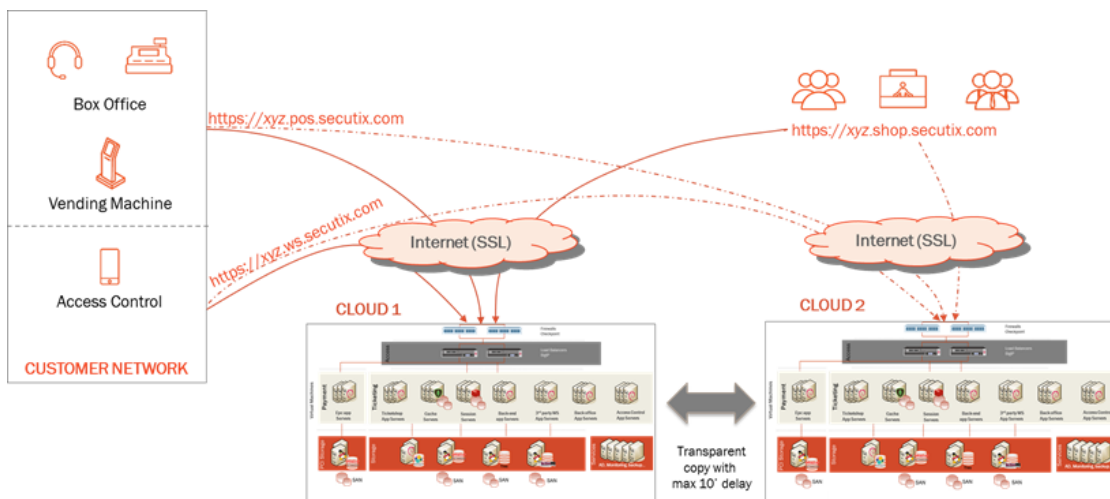
Device	Brand, Model	Photo
PDA		
Mobile reader Wifi	Bluebird EF501-ANLB • Wifi, • RFID, NFC • Android 7 • Standard battery 3200mAh or 6400mAh • With handstrap	
Mobile reader Wifi, 4G	Bluebird EF501-A4LAW • Wifi, 4G • RFID, NFC • Android 7 • Standard battery 3200 mAh or 6400mAh • With handstrap	
Battery and PDA charger for Bluebird	Bluebird 1 Slot Cradle with adapter and power cord	
Chargers for 4 batteries and 4 Bluebird PDAs	Bluebird 4 Slots Cradle with adapter and power cord	

Mobile reader Wifi, 4G	Zebra TC26 Touch Computer (SE4710) • Wifi • Android 7 • Basic battery	
Battery and PDA charger for Zebra	Zebra 1 slot cradle with adapter and power cord	
Chargers for 5 batteries and 5 Zebra PDAs	Zebra 5 Slots Cradle with adapter and power cord	

NETWORK PREREQUISITES

SecuTix recommends that the network in place has the following characteristics:

- The connections between our clients and the Secutix hosting centre are made via Internet, through the HTTPS secure protocol.
- Network characteristics expected:
 - Network latency between the operator post and the datacentre: under 50 ms
 - Bandwidth: min. 512 Kbit/s per operator. A minimum of 8 Mbit/s download and 1 Mbit/s upload



- Which hostnames / ports should be opened to access and use SecuTix ?

SecuTix operates several Datacenters with different Internet Service Providers (to ensure high availability), shence, if you want to restrict access of your operators to SecuTix, you have to use an HTTP proxy which will filter on url <https://XXX.pos.secutix.com> where XXX is your institution code.

Our experience shows some instabilities with proxies using NTLM authentication, hence we don't recommend this configuration and SecuTix will not provide support in case of issues.

- In case of interfaces from Secutix Datacenter to Third parties, you should allow incoming connections from
SEB/GVA 193.73.238.0 /24 + 195.141.35.0 /24 + 80.80.231.65/28 + 193.72.147.0/24
and if your slot is hosted on AWS : <https://docs.aws.amazon.com/general/latest/gr/aws-ip-ranges.html>
- Our current AWS IPs are (**may change without prior notification**) :
 - eu-central-1 (Frankfurt) : 3.120.11.44/32 and 18.184.200.11/32
 - eu-west-1 (Ireland) : 52.18.155.167/32
 - us-east-1 (North Virginia) : 34.197.37.177/32
- Our current OCI IPs are (**may change without prior notification**) :
 - eu-frankfurt-1 (oci1) : 130.162.225.254/32
 - uk-london-1 (oci2) : 143.47.224.125/32
 - eu-milan-1 (oci3) : 129.152.6.11/32
 - us-ashburn-1 (oci4) : 141.148.73.19/32
 - ap-sydney-1 (oci5) : 192.9.163.161/32
 - eu-paris-1 (oci6) : 141.145.210.212/32
 - eu-zurich-1 (oci7) : 144.24.234.132/32
- In case of integration with Third parties and during development phase to be able to test with SecuTix integration environnements
(Vietnam) int/dev : 222.255.78.117/32 + 115.78.65.201/32 + 115.79.48.231/32 + 113.161.75.5/32
(Lausanne) Harpe int/dev : 217.162.5.164/27 + 46.140.154.128 /26

Also check [Which hostnames / ports should be opened to access and use SecuTix ?](#)

CONNECTIONS

Tableau des connexions des périphériques

Périphérique	Connected to
Operation Touch Screen	PC USB port
Client Screen	2 PC USB ports
Boca Tickets Printer	PC USB port
Bill printer Epson RS232 (oblig.) with adapted serial cable printer.	RS232 Port or USB port with USB to RS-232 serial converter
Evolis Card Printer	PC USB port
Cash-drawer	PC USB port
Payment terminal	Network + RS232 or Network + USB connection with Aten converter USB to RS-232 serial converter on DB9 port
Barcode scanner	PC USB port
Keyboard	PC USB port
Mouse	PC USB port
RFID Reader	PC USB port

