

Verifone°

UX700

Installation Guide

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PREFACE

This guide is the primary source of information for setting up and installing the UX700 unit.

Audience This guide is useful for anyone installing the UX700 device.

Organization This guide is organized as follows:

Chapter 1, Device Overview. Provides an overview of the device.

Chapter 2, Setup. Explains setup and installation of the device, selecting a location, and establishing connections with other devices.

Chapter 3, Specifications. Lists the power requirements and dimensions of the device.

Chapter 4, Maintenance and Cleaning. Explains the maintenance of the device.

Chapter 5, Verifone Service and Support. Provides information on contacting your Verifone service provider and information on how to order accessories or documentation from Verifone.

Chapter 6, Troubleshooting Guidelines. Provides troubleshooting guidelines should you encounter a problem with unit installation.

Chapter 7, Port Pinouts. Provides different pinout settings for ports on the UX700 persistent board as well as model-dependent boards.

Related To learn more about the card reader and controller device, refer to the following Documentation set of documents and their associated Verifone Part Numbers (VPNs).

UX700 Certifications and Regulations Sheet	VPN DOC184-002-EN
UX700 Quick Installation Guide	VPN DOC184-003-EN

Conventions and This section describes the conventions and acronyms used in this guide. **Acronyms**

Document Various conventions are used to help you quickly identify special formatting. **Conventions** Table 1 describes these conventions and provides examples of their use.

Table 1	Document Conventions	
Convention	Meaning	Example
Blue	Text in blue indicates terms that are cross-referenced.	See Conventions and Acronyms.
	The pencil icon is used to highlight important information.	If exchanging cables, use a Verifone-approved cable.
	The caution symbol indicates possible hardware or software failure, or loss of data.	Using an incorrectly rated power supply can damage the unit or cause it to malfunction.
WARNING	The lightning symbol is used as a warning when a bodily injury might occur.	For safety, do not string cables or cords across a walkway.

Acronym Definitions Various acronyms are used in place of full definitions.

Acronym Definitions		
Acronym	Definitions	
СОМ	Communications port	
CTLS	Contactless	
CTS	Clear to Send	
DDRAM	Double Data Rate Random Access Memory	
ETH	Ethernet	
HW	Hardware	
LCD	Liquid Crystal Display	
MDB	Multi-Drop Bus	
MSR	Magnetic Stripe Card Reader	
NAND-flash	Non-volatile storage technology	
NFC	Near Field Communications	
PCI	Payment Card Industry	
PIN	Personal Identification Number	
PTS	PIN Transaction Security	
RF	Radio Frequency	
RS-232	Recommended Standard 232	
RTS	Request to Send	
SAM	Secure Access Module	
SRED	Secure Reading and Exchange of Data	
USB	Universal Serial Bus	
VM	Vending Machine	
VPN	Verifone Part Number	
WAN	Wide Area Networks	



Device Overview

The Verifone UX700 is a powerful device used in various unattended scenarios including vending, ticketing, parking and petrol bunk or pump. It can operate both as an independent primary control device or as a companion device to process payment transactions.

The Verifone UX700 device supports all payment methods - magnetic stripe, EMV, and NFC/Contactless Reader, including Apple Pay, Google Pay, and Samsung Pay mobile wallets. The easy to read color touch screen supports all payment related user interactions and keypad for secure PIN entry.

It has the ability to run Android applications, like loyalty and inventory. It also enables clients to remotely monitor and update their devices using Verifone's estate management solution. The UX700 device supports Bluetooth and Wi-Fi and meets PCI-PTS 6.X SRED requirements for maximum security. This chapter provides a brief description of the UX700 device.





UX700 Device

Features and Following are the features and benefits of UX700 Device. **Benefits**

Ease of Use	•	5" LCD for unlimited application possibilities and easy readability under various lighting conditions.	
	•	Touchscreen for icon-based applications or electronic signature capture support.	
	•	Magnetic stripe card reader for optimal card reading.	
Performance and	•	Fast transactions due to powerful ARM Cortex A53 64-bit processor.	
Durability	•	2GB RAM/16GB ROM, SD card slot size that supports up to 32GB SD memory.	
Security	•	Incorporates tamper-sensing circuitry to detect unauthorized intrusion and supports a broad spectrum of software-based security features.	
	٠	PCI-PTS 6.X approved for debit and other PIN-based transactions.	
	٠	EMV Level 1 Type approval.	
	•	Supports reliable security features including TLS, VeriShield file, authentication and VeriShield Protect to help prevent fraud and other intrusions.	
Contactless Capability	•	Advanced contactless architecture that future-proofs investment with a single contactless interface (SingleCI), SoftSAMs, and side-by-side application architecture.	
	•	Accepts EMV, NFC, QR Code and mag-stripe contactless payments as well as PIN-based transactions.	
Communication Technology	•	Bluetooth: Simple, plug-and-play installation for locations that need the short- range wireless capability. Eddystone and iBeacon profiles are also supported.	
	•	Dual-band Wi-Fi.	
Connectivity	•	Ethernet, USB-Client, USB-Host, serial RS-232, MDB	



Setup

This chapter describes the setup procedure for the card reader and controller in the following sections:

- Contactless Considerations
- Selecting Unit Location
- Inside the Shipping Carton
- Installing or Replacing SAM Cards
- Inspecting the Connection Port
- Mounting the Device
- Using the Smart Card Reader
- Using the Device
- CTLS Transaction

Contactless Considerations

The contactless antenna is located around the display. Ensure that the metallic objects such as frame case is kept at a minimum distance of 20 mm away from the edge of the device.



Using an enclosed metal frame may negatively affect contactless performance.

Selecting Unit Use the following guidelines when selecting a location for your device.

- Select a location convenient for the customer.
- Avoid dusty, hot or damp locations.
- To minimize data reading or writing errors, pick a location free from magnetic interference. Choose a spot a safe distance away from objects or units that generate magnetism.

Choosing Mounting Choose a mounting location that has good access to both card insertion into the **Location** chip reader and has enough space to swipe the card through the MSR reader.

cease to function or to operate in an unsecured manner.



Location

The front panel of the device meets the IP65 standards for installation in outdoor environments.

Open the shipping carton and carefully inspect its contents for possible tampering

or shipping damage. The device is a secure product. Tampering causes it to

Inside the Shipping Carton

_

Unpacking the Shipping Carton To unpack the shipping carton:

- 1 Carefully inspect the shipping carton and its contents for possible tampering or damage.
- 2 Validate the authenticity of the sender by verifying the shipping tracking number and other information located on the product order paperwork.
- **3** Remove and inspect the shipping carton box: The carton box includes the following:
- Device
- Mounting frame



Power supply and connectivity cables are shipped separately or depending upon the customer requirements.

- 4 Remove all plastic wrapping from the device and components.
- **5** Remove the clear protective film from the display.
- 6 Inspect the terminal for possible tampering; see how to identify signs of tampering in section Periodic Inspection.

7 Save the shipping carton and packing material for future repacking or moving of the device.



Ne pas utiliser un appareil qui a été altéré ou endommagé. Cet appareil est équipé d'étiquette d'inviolabilité. Si une étiquette ou d'un composant semble être endommagé, en aviser immédiatement la compagnie maritime et votre représentant Verifone ou prestataire de services.

Do not use a tampered or damaged unit. The device comes equipped with tamper-evident labels. If a label or component appears damaged, please notify the shipping company and your Verifone service provider immediately.

Periodic Inspection Periodically inspect the terminal for possible tampering. Signs of tampering include:

- Overlays in the PIN pad area
- Wires protruding out of the device
- Foreign objects inserted into the smart card slot or magnetic stripe slot
- Any bumps in the casing below the mag stripe slot and any noticeable additional mag stripe head from the side
- Signs of damage to the tamper-evident labels
- A Tamper Warning message on the device display

If any device is found to have been tampered with, please remove it from service immediately, keep it available for a potential forensics investigation, and notify your company security officer and your local Verifone representative or service provider. To contact Verifone, please see Verifone Service and Support.

Installing or Replacing SAM Cards

You may need to install a Security Access Module (SAM) card or replace the old card. You can find three SAM slots and one Micro SD card slot on the UX700 (see Figure 2).



Respecter les précautions standard dans la manipulation d'appareils sensibles aux décharges électrostatiques. Les décharges électrostatiques peuvent endommager le matériel. Verifone recommande d'utiliser un bracelet anti-statique à la terre.

Observe standard precautions in handling electrostatically sensitive devices. Electrostatic discharges can damage the equipment. Verifone recommends using a grounded anti-static wrist strap.

To install or replace SAM cards

- 1 Disconnect the device from all power sources.
- 2 Disconnect the device from any external devices.

3 Carefully slide the SAM card into the slot, by aligning the card and carefully sliding into the slot until fully inserted.

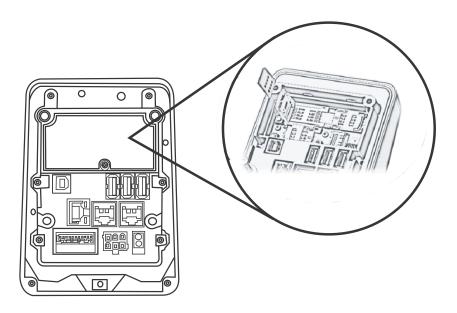


	Figure 2	Installing SAM Card
NOTE	 The rectang These indic the SAM slope 	ard holders ensure that cards fit into the slots in only one way. Jular symbols show the SAM card's notched corners are always visible. ate which way the card notch should face before you insert the card into ot. The symbols indicate the SAM card slot numbers.

4 Install additional SAM cards in the available slots as necessary.

Inspecting the The device has dedicated input/output connectors: Ethernet, RS-232, USB-A, USB-B and DC power.

To Connect the Terminal Power Supply

The UX700 device can be powered from a PSU in the non-Verifone system or by
 a Verifone Power supply. It can be connected using a 4pin or 6pin plug.

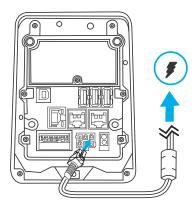


Figure 3 UX700 Power Supply Connection



To protect against possible damage caused by lightning strikes and electrical surges, consider installing a power surge protector.

To Connect the
Terminal to a PCThere are two RS232 connections COM1 & COM2. Insert the RS-232 cable to the
UX700 device and the PC.

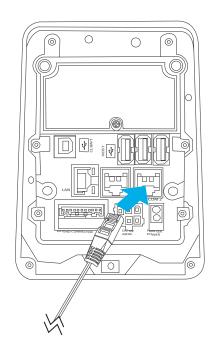


Figure 4

Connecting to a PC

To Connect the Insert the Ethernet cable to the UX700 device and the socket. **Device to the LAN**

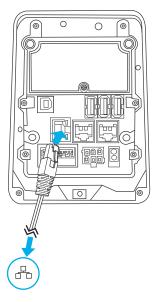
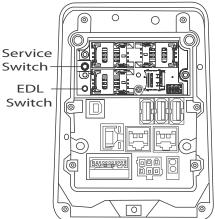


Figure 5 Connecting to Ethernet Port

To Enable Service This service switch is used to select safe boot for the Android processor. Switch





Service switch:

During power up, press and hold the service switch to access the Android Processor boot loader. Or press service switch to start the Android Sysmode application.

EDL (emergency download) switch:

This switch is used to access the Android Processor Emergency Download mode.

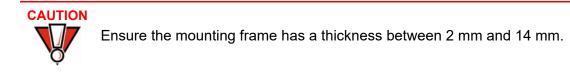


These switches should be used only by the authorised service centers.

Disconnecting Cables To disconnect cables, use the same steps described above in reverse. If exchanging cables, use Verifone-approved cables. See Accessories and Documentation for cable part numbers and ordering information.

Mounting the Device

Use the following procedure to mount the UX700 to a suitable mounting surface.



To mount the unit Align the UX700 stud holes with the holes on the mounting surface.

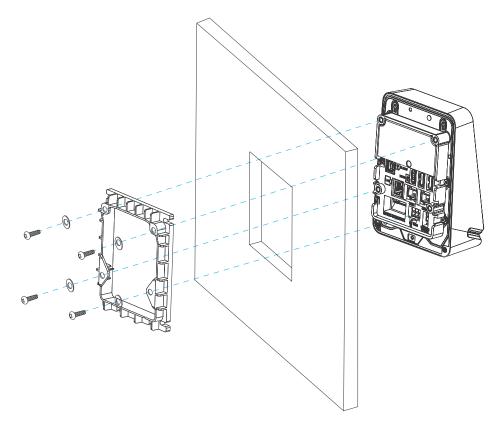


Figure 7 Mounting the UX700

- 1 Place the reader flush onto the mounting slot.
- 2 Secure the unit with M4 Washer and Screws. Tighten the Screws using the recommended torque of 7.0 kg-cm (6.1 lbf.in).

Using the Smart Insert the smart card to proceed with the EMV transaction. EMV supports credit card and debit card transactions.

To Conduct a Smart Card Transaction

- 1 Position the smart card with the contacts facing upward (see Figure 8).
- 2 Insert the card into the reader slot in a smooth, continuous motion until it seats firmly.
- **3** Wait for the application to indicate a completed transaction before removing the card. Premature card removal invalidates the transaction.

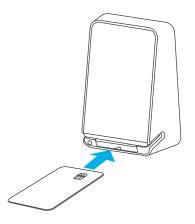


Figure 8 Inserting a Smart Card



Vous allez perdre des fichiers de données de la transaction n'est pas encore en mémoire si il ya une perturbation dans l'alimentation lors d'une transaction.

You will lose transaction data files not yet stored in memory if there is a disruption in power supply during a transaction.

Using the Device Card transaction procedures vary depending on the application. Verify the proper procedure with your application provider before performing a card transaction.

Using the Multi-Card The UX700 supports magnetic stripe cards as well as smart cards. Use the Reader following steps in conducting UX700 card transactions.

To conduct a Card Transaction

- 1 Position the card with the magnetic stripe facing backward.
- **2** To ensure a proper read of the magnetic swipe card, insert the magnetic card from the side of the device, as shown in the illustration below.



Figure 9 Using the Multi-Card Reader

3 Swipe the card through the magnetic card reader.



You will lose transaction data files not yet stored in memory if there is a disruption in power supply during a transaction.

NOTE

With magnetic stripe cards, swipe completes the transaction.

4 If using a card, insert the card and follow the on-screen instructions before removing the card.



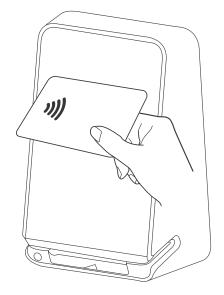
Lorsque vous utilisez une carte, laissez la carte dans le lecteur jusqu'à ce que la transaction est terminée.

Retrait prématuré peut annuler la transaction.

When using a card, leave the card in the reader until the transaction is complete. Premature card removal can void the transaction.

CTLS Transaction

CTLS The UX700 device supports contactless credit or debit card transactions. To perform a contactless transaction, gently tap the card or hold the card on the surface of the display on the contactless logo.







Specifications

	This chapter discusses the power requirements and dimensions of the UX700 device.		
Unit	Power	Operating Voltage: 9V DC - 43V DC	
Require	Idle Power:		
		 3 W (50% backlight) = 12V/0.25A 	
		Typical Power:	
		 CTLS read: 4.5W (Idle Power + 1.5W) 	
		 RS232-V output: max 15W (Idle Power + max 12W) 	
		 USB Host: max 10.5W (Idle Power + max 2.5w per port) 	
Temp	erature	Operating Environment:	
		 Temperature: -30°C to 70°C (-22°F to 158°F) 	
		 Temperature: -30°C to 60°C (-22°F to 140°F) (ATEX) 	
	WARNING	Electrostatic charging hazard - Clean only with a damp cloth.	
		 Relative humidity: 5% to 90% RH non-condensing 	
		 Storage temperature: -30°C to 80°C (-22 °F to 176 °F) 	
	NOTE	If this device is to be used in any environment where the temperature range exceeds the product's operating temperature, it is the responsibility of the integrators to ensure that the ambient environment is controlled in such a way to ensure that the product operates within the specified temperature range.	
N	lemory	• 2 GB SDRAM	
		• 16 GB Flash	
		 Micro SD expansion compliant with SD3.0 standard 	
Magnet	ic Card Reader	Triple track MSR	

Smart Card Reader	 Partial insertion Card Conserving plated landing contacts ISO 7810, 7813 smart card reader
Contactless Card Reader	 EMV CTLS Level 1 and Level 2 Type Approval Supports contactless cards as well as NFC phones, supporting the following protocols: ISO 14443 A&B MiFare (MiFare + / DESfire) ISO 18092 Active Communications (NFC - peer-to-peer mode) FeliCa PayPass payWave
SAM Card Reader	Three Security Access Modules (SAMs) card slots
Display	• 5" screen size
	720 x 1280 HD resolutionIPS LCD touchscreen
External Dimensions	 Length: 70 mm (2.75") Width: 110 mm (4.33) Height: 146 mm (5.75") Weight: 586 g
Processor	Quad Core Cortex A53, 1.3GHz
Keypad	• On-screen
Payment	 MSR PSCR CTLS QR Code
Multimedia	Speaker, audio jack with microphone connectionIntegrated microphone; HD video decode

Communication	٠	Bluetooth® 4.2 BLE
---------------	---	--------------------

- Dual band WiFi 11a/b/g/n
- GNSS Function (Optional) GPS, GLONASS and BeiDou

Physical Interface

• Serial port (RS232) x 2

- e Ethernet port
 - USB-A Host port x 3
 - USB-B Client port x 1
 - DC IN
 - GPIO x 1
 - Switched Power output x 1

Camera/Barcode	•	2 MP (Front camera)
Scanner	•	QR code scanning

Security • PCI PTS 6.X-approved

- SRED
- Supports AES DUKPT



Maintenance and Cleaning

The UX700 device has no user-maintainable parts. It can, however, be cleaned.

General Care Your device is a product of superior design and should be treated with care. The following suggestions will help you protect your warranty coverage.

- Prior to installation keep the UX700 inside its protective covering.
- Do not drop the device as rough handling could potentially damage the device.
- Keep the device from any small or loose items that could accidentally enter the device.
- Do not attempt to open the device as this will cause a security alert and render the device inoperable.

These suggestions apply equally to your device, or any of its attachments, or accessories. If your device is not working properly, then take it to the nearest authorized service facility for servicing or replacement. For your safety, have this device serviced only by a Verifone-authorized service provider.

Cleaning and The de sanitizing drop o

The device should be gently cleaned using a dampened micro-fiber cloth with a drop or two of mile soap, improper cleaning could cause cosmetic damage to the device which is not covered under the device warranty.

Do not use the following as they can be detrimental to the plastic housing of the device:

- Solvents or abrasive cleaners
- · Bleach, thinners, and ketone-based solvents
- Spray disinfectant or put liquid sanitizer directly onto the device, apply to a cloth and wipe the device
- Ulta Violet Light Cleaning

Smart Card Reader Cleaning

- The SCR should be cleaned regularly (once per week is recommended.)
- The SCR can be cleaned with the Verifone cleaning card (Part Number: 02746-02.)
- Inspect the card slot for any debris.
- Clean the Card slot following the instructions on the cleaning card.

Magnetic Stripe • Cleaning .

- The MSR should be cleaned regularly (once per week is recommended.)
- The MSR can be cleaned with the Verifone cleaning card (Part Number: 02746-02.)



If using a commercially available cleaning card use ONLY an approved MSR cleaning card made specifically for POS MSR Card reader devices or Petroleum MSR card readers.



Verifone Service and Support

Contact your local Verifone representative or service provider for any problems with your device.

For product service and repair information:

- USA Verifone Service and Support Group, 1-800-837-4366, Monday - Friday, 8 A.M. - 8 P.M., Eastern time
- International Contact your Verifone representative

Returning a Device for Service

Before returning the UX700 device, you must obtain an MRA number. The following procedure describes how to return one or more devices for repair or replacement (U.S. customers only).



Customers outside the United States are advised to contact their local Verifone representative for assistance regarding service, return, or replacement of devices and accessories.

- 1 Get the following information from the printed labels at the back of each UX700 device to be returned:
 - Product ID, including the model and part number. For example, "UX700" and "M184-XXX-XXX-XXX."
 - Serial number (S/N nnn-nnn-nnn)
- 2 Obtain the MRA number(s) by completing one of the following:
 - Call Verifone toll-free within the United States at 1-800-Verifone and follow the automated menu options.
 - Select the MRA option from the automated message. The MRA department is open Monday to Friday, 8 A.M.–8 P.M., Eastern Time.
 - Give the MRA representative the information you gathered in Step 1.
 - Complete the Inquiry Contact Form at https://www.verifone.com/en/us/ contact-us.
 - Address the Subject box to "Verifone MRA Dept."

• Reference the model and part number in the Note box.



One MRA number must be issued for each UX700 device you return to Verifone, even if you are returning several of the same models.

- **3** Describe the problem(s).
- 4 Provide the shipping address where the repaired or replacement unit must be returned.
- **5** Keep a record of the following items:
 - Assigned MRA number(s).
 - Verifone serial number assigned to the UX700 device you are returning for service or repair (device serial numbers are located at the back of the unit.)
 - Shipping documentation, such as air bill numbers used to trace the shipment.
 - Model(s) returned (model numbers are located on the Verifone label at the back of the UX700 device)

Accessories and Verifone produces accessories and documentation for the card reader. When ordering, please refer to the part number in the left column.

Verifone Online Store at https://www.verifone.com/en/us/contact-us

- USA Verifone Service and Support Group, 1-800-837-4366, Monday - Friday, 8 A.M. - 8 P.M., Eastern time
- International Contact your Verifone representative

Connection Cables	CBL184-700-02-A	UX700 GPIO Breakout extension cable
	CBL000-045-01-B	USB A/B plug 1m cable
Power Cables	CBL000-039-02-A	Australia power cord for PWR159-002-01-A PSU
	CBL184-700-03-A	Cable, UX700 RADIO PWR, Y-STYLE 0.2M/0.6M
	CBL000-081-01-A	EU power cord for PWR159-002-01-A PSU
	CBL000-080-01-A	US power cord for PWR159-002-01-A PSU
	CBL000-078-01-A	UK power cord for PWR159-002-01-A PSU
	CBL258-014-01-A	South Africa power cord for PWR159-002-01-A PSU
	PWR159-002-01-B	12 V, 3.3 A power supply unit (PSU) Efficiency L6
Cleaning Kit	02746	Verifone Cleaning Kit.

Documentation

VPN DOC184-002-EN VPN DOC184-003-EN UX700 Certifications and Regulations Sheet UX700 Quick Installation Guide



Troubleshooting Guidelines

The troubleshooting guidelines provided in the following section are included to help you install and configure your UX700 successfully. Typical examples of malfunction you may encounter while operating your UX700 device and steps you can take to resolve them are listed in this chapter.

If the problem persists even after performing the outlined guidelines or if the problem is not described below, contact your local Verifone representative for assistance.



The UX700 comes equipped with tamper-evident labels. The UX700 unit contains no user serviceable parts. Do not, under any circumstance, attempt to disassemble the device. Perform only those adjustments or repairs specified in this guide. For all other services, contact your local Verifone service provider. Service conducted by parties other than authorized Verifone representatives may void any warranty.



Before troubleshooting, ensure that the power supply being used to power the device matches the requirements specified at the bottom of the device. (See Specifications, for detailed power supply specifications.) Obtain the appropriately rated power supply before continuing with troubleshooting.

Device Does Not	If the device does not start:			
Start	Ensure that the device is plugged into a dedicated power source.Check if the power cable connector is plugged in properly.			
Device Display Does Not Show Correct/ Readable Info	If the device display does not show correct/readable info:Check all the cable connections. If the problem persists, then contact your local Verifone representative for assistance.			

Blank Display When the device display is blank:

- If the device display is dark, tap the screen with your finger. If the unit was in screen-saver mode, the screen will turn on when touched.
- If the display does not show correct or readable information, then check all the cable connections. If the problem persists, then contact your local Verifone representative for assistance.

Transactions There are several possible reasons why the unit may not be processing transactions. Use the following steps to troubleshoot failures.

Checking Magnetic To check magnetic card reader:

Card Reader

- 1 Perform a test transaction using one or more different magnetic stripe cards to ensure that the problem is not a defective card.
- 2 Ensure that you are swiping cards properly (see Using the Multi-Card Reader).
- 3 Process a transaction manually using the keypad instead of the card reader. If the manual transaction works, then the problem may be a defective card reader.
- 4 Contact your local Verifone representative if the problem persists.

Checking Smart Card To check smart card reader:

Reader

- 1 Perform a test transaction using several different smart cards to ensure the problem is not a defective card.
- 2 Ensure that the card is inserted correctly (see Using the Smart Card Reader).
- **3** Ensure that the SAM cards are properly inserted in the slots and are properly secured.
- 4 Contact your local Verifone representative if the problem persists.



Port Pinouts

This section contains port pinout tables for the UX700.

UX700 Port Refer to the following UX700 port pinout diagrams.

RS-232 Port (COM1)

Pinouts

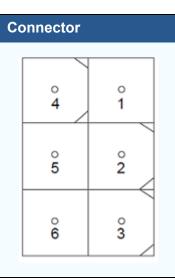
Connector	PIN	Function	Description
	1	Portpwr (9 to 43 V DC)	PowerOut, max 1 A
	2	NC	No connection
	3	NC	No connection
1 8	4	GND	Power ground
	5	RXD	Receive data
	6	TXD	Transmit data
	7	CTS	Clear to send
	8	RTS	Request to send

RS-232 Port (COM2)	Connector	PIN	Function	Description
		1	Portpwr (9 to 43 V DC)	PowerOut, max 1 A
		2	NC	No connection
		3	NC	No connection
	1 8	4	GND	Power ground
		5	RXD	Receive data
		6	TXD	Transmit data
		7	CTS	Clear to send
		8	RTS	Request to send

PORT PINOUTS UX700 Port Pinouts

Ethernet Port (LAN)	Connector	PIN	Function	Description
		1	TXD+	Transmit data +
		2	TXD-	Transmit data -
		3	RXD+	Receive data +
	1 8	4	NC	No connection
		5	NC	No connection
		6	RXD-	Receive data -
		7	NC	No connection
		8	NC	No connection
USB Pinout	Commentar	DIN	Eurotion	Description
(Host Port)	Connector	PIN	Function	Description
		1	+5 V	5 V USB Power (500 mA)
		2	DATA-	USB Host Signal -
		3	DATA+	USB Host Signal +
	Receptacle	4	GND	USB ID pin/Ground
	Plug			
USB Pinout				
(Client Port)	Connector	PIN	Function	Description
(0.000000000000000000000000000000000000		1	+5 V	5 V USB Power
		2	DATA-	USB Device Signal -
	3 4	3	DATA+	USB Device Signal +
	Receptacle	4	GND	USB Ground
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PIN	Function	Description
1	+DC 9-43 V	External power from cable
2	GND	Power Ground
3	WAKE	Signal
4	Slave TX	Slave TX
5	Slave RX	Slave RX
6	MDB GND	Ground

GPIO Port

Connector	PIN	Function	Description
	1	+DC 9-43	9V-43V Power Output
	2	GPIO_1_CON	GPIO
	3	GPIO_2_CON	GPIO
	4	GPIO_3_CON	GPIO
5	5	GPIO_4_CON	GPIO
	6	GND	Power Ground
	7	HPH_L_G	Headphone L
	8	HPH_R_G	Headphone R
	9	HPH_REF_G	Headphone Reference Ground
	10	HS_MIC2P_G	Headset Microphone
	11	HS_DET_G	Headset Detect



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