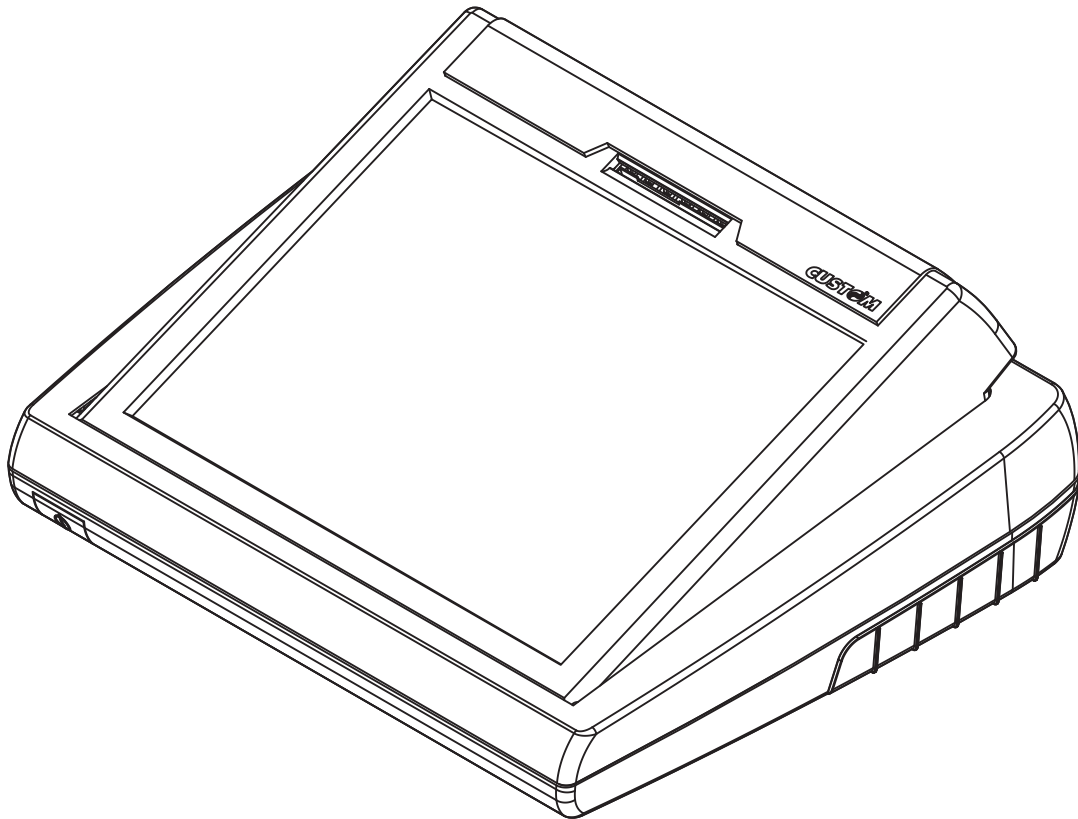


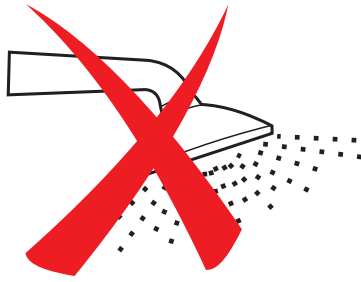
# IKJAE TA

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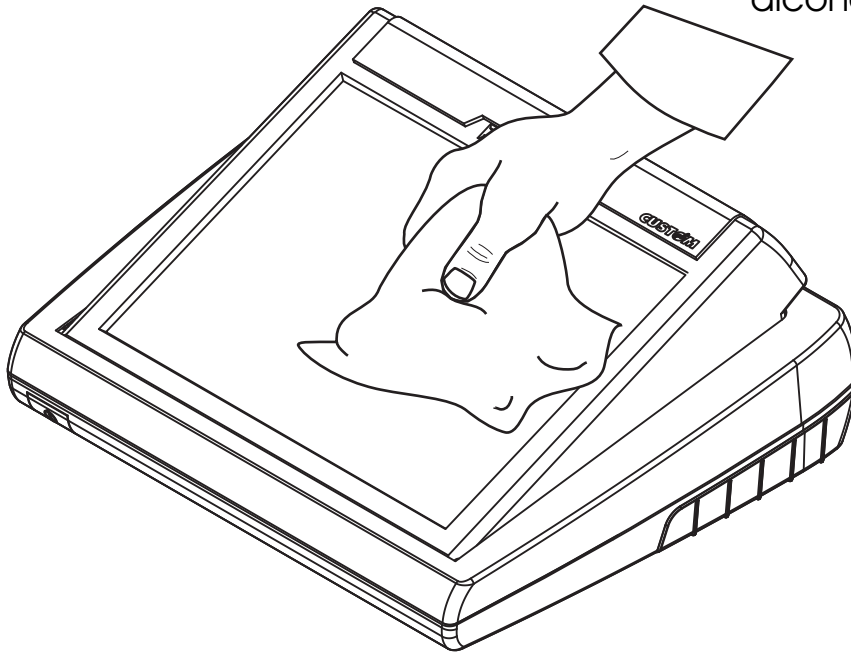


**USER'S GUIDE  
GUIDA OPERATIVA  
GUIDE D'UTILISATION  
BEDIENUNGSANLEITUNG  
GUIA OPERATIVA**





alcohol, solvent



**To clean the machine**, use a pneumatics air or soft cloth, because it's very easy to make a scratch on the touch panel's surface. First remove the mains plug from the wall socket.

**GB**

Do not use alcohol, solvents, or hard brushes.  
Do not let water or other liquids get inside the machine.



**Per pulire la macchina**, utilizzare aria compressa o un panno morbido, dato che il pannello del touch si graffia molto facilmente. Prima di ogni operazione, scollegare il cavo di alimentazione elettrica dalla presa di rete.

**I**

Non utilizzare alcol, solventi o spazzole dure.  
Assicurarsi che acqua o altri liquidi non penetrino all'interno della stampante..



**Pour nettoyer la machine**, utiliser un système pneumatique ou un chiffon souple. Avant d'effectuer toute opération, débrancher la câble de l'alimentation électrique de la prise de réseau.

**F**

Ne pas utiliser de l'alcool, des solvants, ni des brosses dures.  
Vous assurer que ni l'eau ni aucun autre liquide ne pénètrent dans l'imprimante.



**Zum Reinigen der Maschine** einen Pressluft oder einen weichen Lappen benutzen. Zuersten den Hauptstecker aus der Netzsteckdose ziehen.

**D**

Keinen Alkohol, Lösungsmittel oder harte Bürsten verwenden.  
Darauf achten, dass kein Wasser oder andere Flüssigkeiten in die Maschine eindringen.



**Para limpiar la máquina**, utilice una neumatica o un paño suave. Antes de cualquier operación, desconecte el cable de alimentación eléctrica de la toma de red.

**E**

No utilice alcohol, solventes o cepillos duros.  
Asegúrese de que agua u otros líquidos no penetren dentro de la impresora.



The **CE** mark affixed to the product certify that the product satisfies the basic safety requirements.



Il marchio **CE** applicato al prodotto certifica che il prodotto stesso soddisfa i requisiti base di sicurezza.



Le label **CE** appliqué sur le produit certifie que le produit même satisfait les qualités requises de sécurité



Die sicherheit dieses Produkts werden durch die **CE** -Kennzeichnung bescheinigt, die am Produkt angebracht ist.



La marca **CE** aplicada al producto certifica que el mismo producto tiene los requisitos de seguridad.



Your attention is drawn to the following actions that could compromise the characteristics of the product:

- Read and keep the following instructions;
- Follow all indications and instructions given on the touch screen;
- Only use touch pen, pencil or finger for touching;
- Do not touch with sharp material, such as knife;
- Store the touch screen in cool place, because it may be damaged by temperature and humidity;
- Make sure that the surface on which the touch screen rests is stable. If it is not, the touch screen could fall, seriously damaging it;
- Make sure that the touch screen rests on a hard (non-padded) surface and that there is sufficient ventilation;
- When positioning the touch screen, make sure its cables will not be damaged;
- Use the type of electrical power supply indicated on the printer label. If uncertain, contact your dealer;
- Make sure the electrical system that supplies power to the touch screen is equipped with a ground wire and is protected by a differential switch;
- If power is supplied to the touch screen using an extension cord, make sure that the total electrical input of the connected devices does not exceed the maximum current permitted by the type of extension in use;
- Do not insert objects inside the touch screen as this could cause short-circuiting or damage components that could jeopardize printer functioning;
- Do not carry out repairs on the machine yourself, except for the normal maintenance operations given in the user manual;
- Make sure that there is an easily-accessible outlet with a capacity of no less than 15A near the place where the touch screen is to be installed;
- Periodically perform scheduled maintenance on the touch screen to avoid dirt build-up that could compromise the correct, safe operation of the unit;
- Using a serial cable it's better to install a ferrite at the end of the same cable.



Si richiama l'attenzione sulle seguenti azioni che possono compromettere la conformità sopra attestata, oltre, naturalmente, le caratteristiche del prodotto:

- Leggete e conservate le istruzioni seguenti;
- Seguite tutti gli avvisi e le istruzioni indicate sul touch screen;
- Per toccare il touch screen usate solo penne touch, matite oppure le dita;
- Evitate di mettere a contatto il touch screen con strumenti taglienti o appuntiti, come coltelli;
- Immagazzinate il touch screen in posti freschi, poiché si può danneggiare a causa di temperatura e umidità;
- Non collocate il touch screen su una superficie instabile. Esso potrebbe cadere e danneggiarsi seriamente;
- Non collocate il touch screen su superfici morbide o in ambienti che non garantiscono la necessaria ventilazione;
- Collocate il touch screen in modo da evitare che i cavi ad esso collegati possano essere danneggiati;
- Utilizzate il tipo di alimentazione elettrica indicato sull'etichetta del touch screen;
- Assicuratevi che l'impianto elettrico che alimenta il touch screen sia provvisto del conduttore di terra e che sia protetto da interruttore differenziale;
- Se il touch screen è alimentato tramite una prolunga, assicuratevi che l'assorbimento totale degli apparecchi collegati non superi la corrente massima ammessa dal tipo di prolunga;
- Non introducete oggetti all'interno del touch screen in quanto essi possono cortocircuitare o danneggiare parti che potrebbero compromettere il funzionamento del touch screen;
- Non intervenite personalmente sul touch screen, eccetto che per le operazioni di ordinaria manutenzione, espressamente riportate nel manuale utente;
- Assicuratevi che nel luogo in cui si vuole installare il touch screen, vi sia una presa di corrente facilmente accessibile e di capacità non inferiore ai 15A;
- Eseguire periodicamente la manutenzione ordinaria del touch screen, al fine di evitare che accumuli di sporcizia possano compromettere il corretto e sicuro funzionamento dell'unità;
- Nel caso di utilizzo di cavo seriale, si consiglia il montaggio di una ferrite sulla parte terminale dello stesso cavo.



Nous attirons l'attention sur certaines opérations qui pourraient compromettre la conformité attestée ci-dessus et les caractéristiques du produit même:

- Lire et conserver les instructions suivantes;
- Suivre tous les avertissements et les instructions indiqués sur le touch screen;
- Pour toucher le touch screen, utilisez seulement des stylos touch, des crayons ou les doigts;
- Évitez de mettre en contact le touch screen avec des matériaux tranchants, comme des couteaux;
- Le touch screen se peut endommager soit pour la température, soit à cause de l'humidité, ainsi il vaut mieux le conserver dans des lieux frais;
- Ne pas positionner le touch screen sur une surface instable. Elle pourrait tomber et s'endommager sérieusement;
- Ne pas positionner le touch screen sur des surfaces molles ou dans des atmosphères où la ventilation nécessaire n'est pas assurée;
- Mettre en place le touch screen de manière à éviter que les câbles qui y sont raccordés puissent être endommagés;
- Utiliser le type d'alimentation électrique indiqué sur l'étiquette de le touch screen ;
- Vérifier que le circuit électrique qui alimente le touch screen est muni d'un câble de terre et qu'il est protégé par un interrupteur différentiel;
- Si le touch screen est alimentée par une rallonge, vérifier que l'absorption totale des appareils raccordés ne dépasse pas le courant maximal admis pour ce type de rallonge;
- Ne pas introduire d'objets à l'intérieur de le touch screen car ils peuvent court-circuiter ou endommager des pièces qui pourraient compromettre le fonctionnement de le touch screen;
- Ne pas intervenir personnellement sur le touch screen, excepté pour les opérations d'entretien ordinaire expressément indiquées dans le manuel utilisateur;
- Vérifier que le lieu d'installation de le touch screen est équipé d'une prise de courant facilement accessible et d'une capacité non inférieure à 15A;
- Procéder régulièrement à l'entretien ordinaire de le touch screen afin d'éviter qu'un excès de saleté ne compromette le bon fonctionnement et la sécurité de l'appareil;
- On utilisé un câble sériel il vaut mieux monter une ferrite sur le côté terminal du même câble



Wir möchten Sie darauf hinweisen, daß folgende Aktionen die oben bescheinigte Konformität und die Eigenschaften des Produkts beeinträchtigen können:

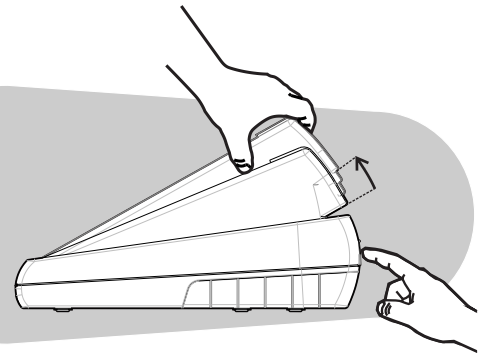
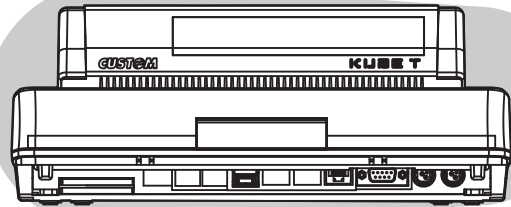
- Lesen Sie die nachstehenden Anleitungen und bewahren Sie diese gut auf;
- Beachten Sie alle am touch screen angebrachten Hinweise und Anleitungen;
- Berühren den touch screen nur mit fülleren touch, bleistiften oder mit fingenen;
- Den touch screen nicht im kontakt mit dem scharfmateriale, wie den messeren stellen;
- Den touch screen kann für die temperature oder die feuchtigkeit beschädigen, so das ist nötig im frischeplatz erhalten;
- Den touch screen nicht auf eine wenig stabile Unterlage stellen, denn er könnte herunterfallen und stark beschädigt werden;
- Den touch screen nicht auf weiche Unterlagen stellen und nicht in Räumen aufstellen, in denen die erforderliche Belüftung nicht gewährleistet ist;
- Den touch screen derart aufstellen, dass die verschiedenen Kabel desselben nicht beschädigt werden;
- Den touch screen an eine Stromleitung mit den auf dem etikette angegebenen Eigenschaften anschließen;
- Es ist sicherzustellen, dass die den touch screen speisende Stromleitung über einen Erdleiter verfügt und durch einen Differenzialschalter abgesichert ist;
- Wenn ein Verlängerungskabel verwendet wird ist sicherzustellen, dass die Gesamtaufnahme der angeschlossenen Geräte nicht den zulässigen Höchststrom der Verlängerung;
- Keine Gegenstände in den touch screen einführen, da diese einen Kurzschluss auslösen oder zu Beschädigungen führen können, die den einwandfreien Druckerbetrieb beeinträchtigen;
- Keine eigenmächtigen Eingriffe am touch screen vornehmen, ausgenommen die ausdrücklich im Anwenderhandbuch aufgeführten Wartungseingriffe;
- Sicherstellen, dass am Aufstellort des touch screens eine leicht zugängliche Steckdose vorhanden ist, deren Leistung nicht unter 15 Ampere liegen darf;
- Den touch screen regelmäßig warten und reinigen, damit keine Schmutzablagerungen den einwandfreien und sicheren Betrieb der Einheit beeinträchtigen,
- Im falle daß jebrauch von seriel kable, zusammenbau wird empfohlen von das ferrite über die endesite der dasselbe kable.



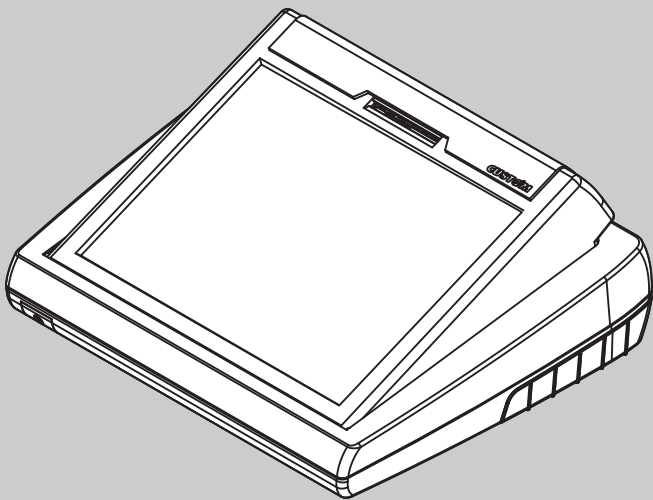
Le rogamos que preste mucha atención a las siguientes acciones que pueden comprometer la conformidad arriba certificada, y obviamente las características del producto:

- Lea y conserve las siguientes instrucciones;
- Respete los avisos e instrucciones indicadas en el touch screen;
- Para tocar el touch screen use sólo pluma touch, lápiz o dedos;
- No metes en contacto el touch screen mit objetos cortantes, como los cuchillos;
- El touch screen se puede dañar a causa de la temperatura o de la humedad, por lo tanto es necesario conservarlo en un lugar frío;
- No coloque el touch screen sobre una superficie inestable; podría caerse o averiarse seriamente;
- No coloque el touch screen sobre superficies blandas o ambientes que no garanticen la ventilación necesaria;
- Coloque el touch screen de manera tal que los cables a ella conectados no se avierien;
- Utilice el tipo de alimentación eléctrica indicada en la etiqueta del touch screen;
- Asegurarse que la instalación eléctrica que alimenta el touch screen posea un conductor de tierra y que esté protegida por un interruptor diferencial;
- Si para la alimentación del touch screen se utiliza una extensión, asegurarse que la absorción total de los aparatos conectados no sea mayor a la corriente máxima admitida por el tipo de extensión y que;
- No introduzca objetos dentro del touch screen, pueden causar cortocircuitos o dañar partes que podrían comprometer el buen funcionamiento del touch screen;
- No efectúe personalmente operaciones de reparación al touch screen, excepto aquellas de mantenimiento ordinario indicadas expresamente en el manual del usuario;
- Asegurarse que en el sitio de trabajo en el cual se quiere instalar el touch screen exista una toma de corriente de fácil acceso y de capacidad no inferior a los 15A;
- Efectuar periódicamente el mantenimiento ordinario del touch screen con el propósito de evitar acumulaciones de suciedad que puedan comprometer el correcto y seguro funcionamiento;
- Si se utiliza lo seriel cable, se necesita el montaje de una ferrite sobre la parte terminal del mismo cable.

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- Indice ●
- Table des matières ●
- Inhaltsverzeichnis ●
- Indice ●

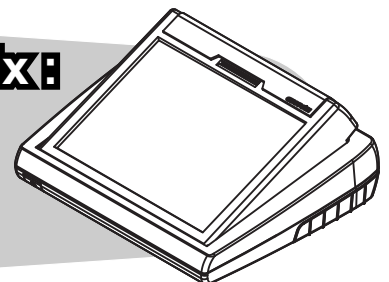


# КИЈАЕ ТА



## Appendix:

- A.1 Technical specifications
- A.2 Accessories and spare parts



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**GB**

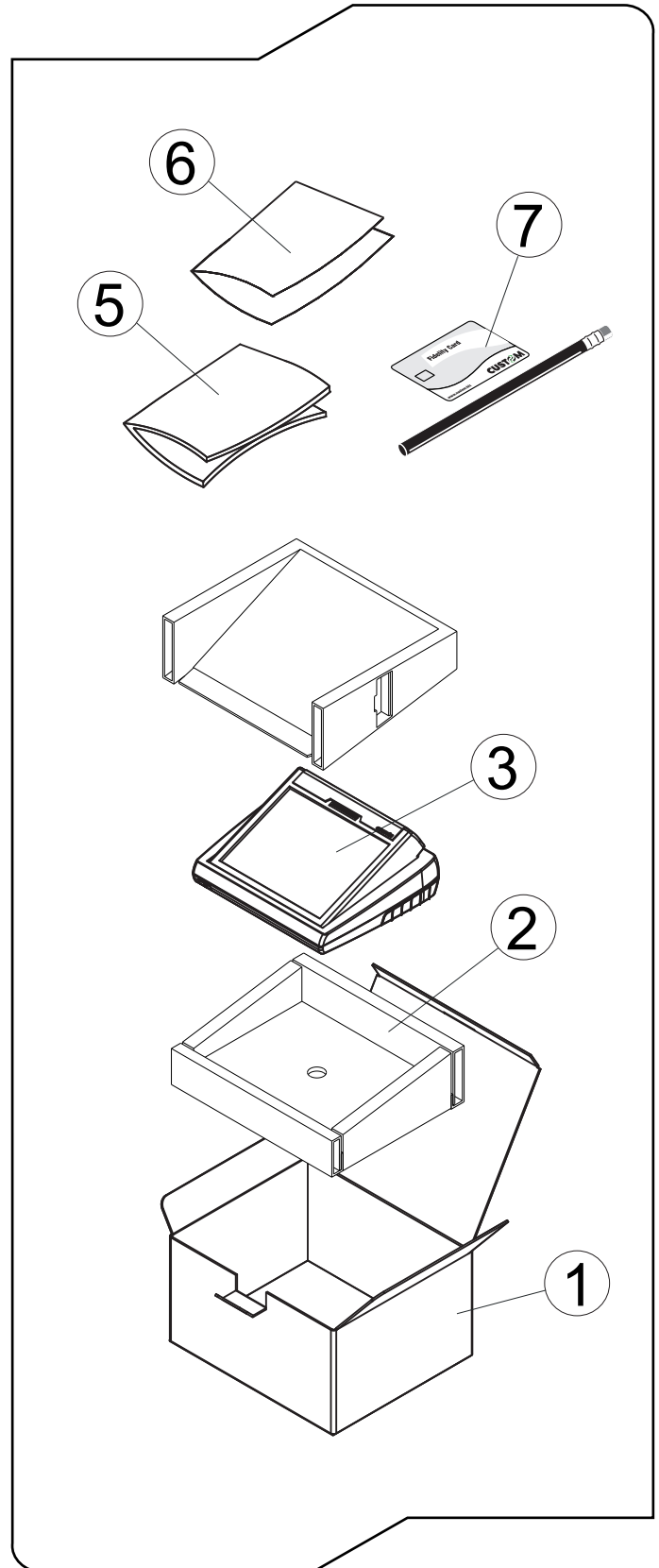
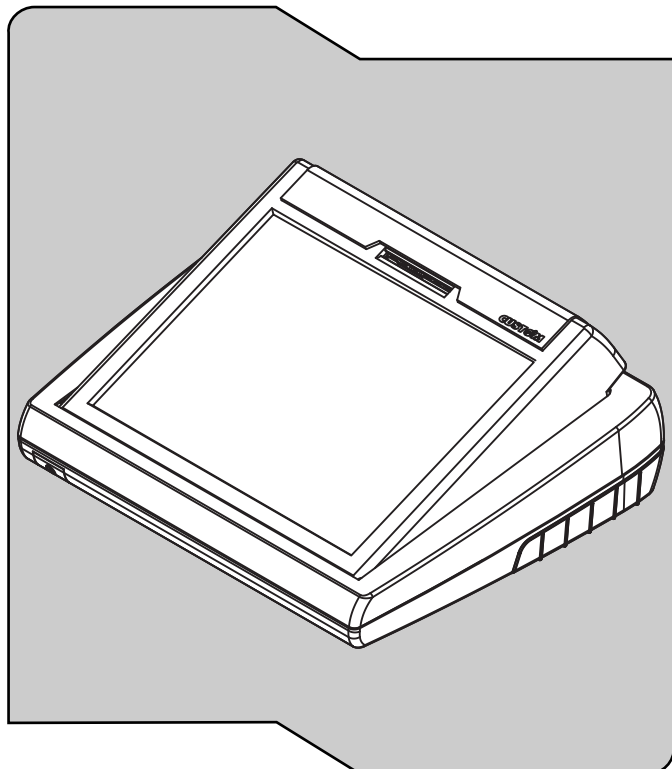
## UNPACKING THE PRINTER

1. Carton
2. Lower foam packing shell
3. Touch Screen + MMC
4. Upper foam packing shell
5. Manual
6. Instructions sheet
7. Chip card + pencil

**I**

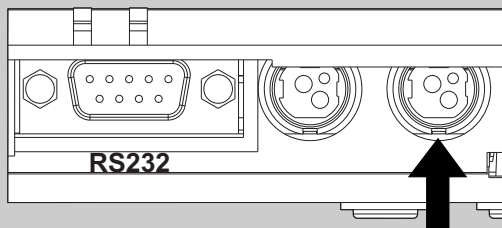
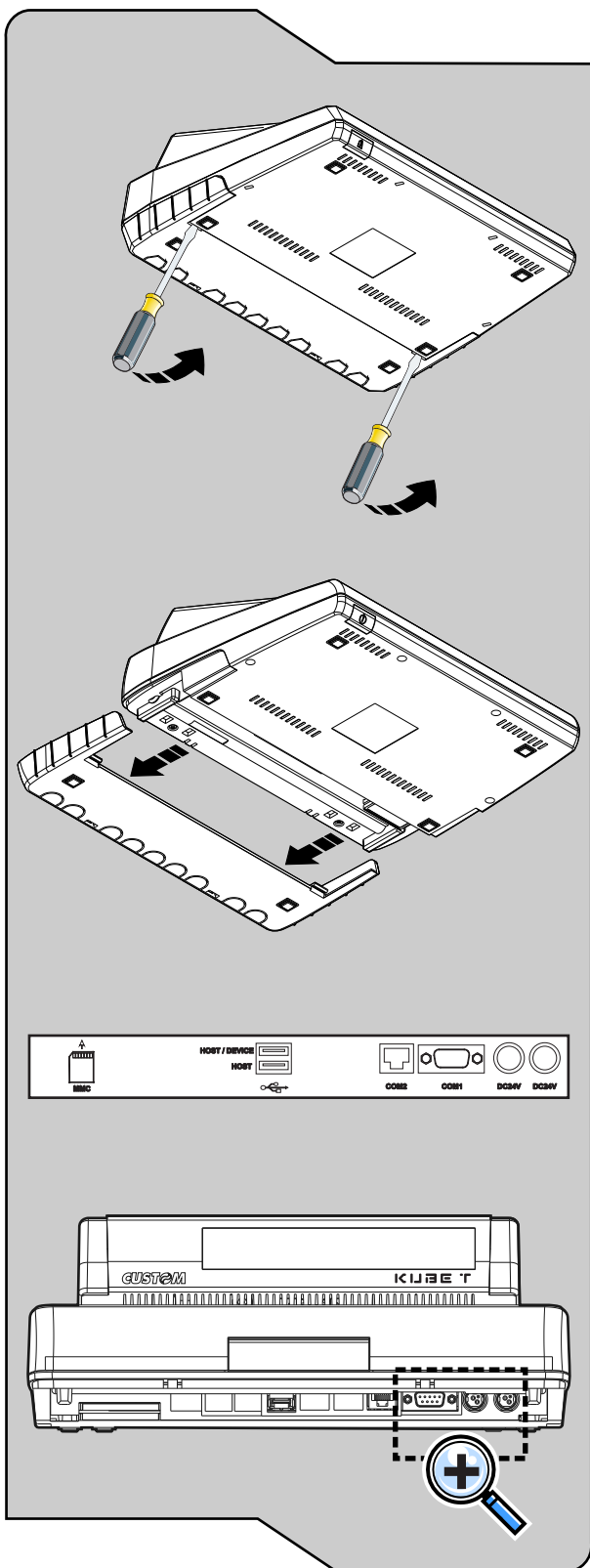
## DISIMBALLO DELLA STAMPANTE

1. Scatola
2. Imballo sagomato di protezione inferiore
3. Touch Screen + MMC
4. Imballo sagomato di protezione superiore
5. Manuale utente
6. Foglio Avvertenze
7. Chip card + matita

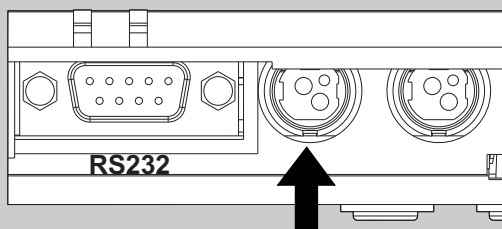


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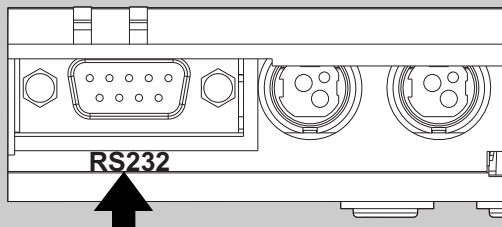




Insert the power supply cable  
 Inserire il cavo di alimentazione  
 Insérer le câble de l'alimentateur adéquat  
 Das Kabel in das spezielle Speisegerät stecken  
 Insertar el cable del alimentador

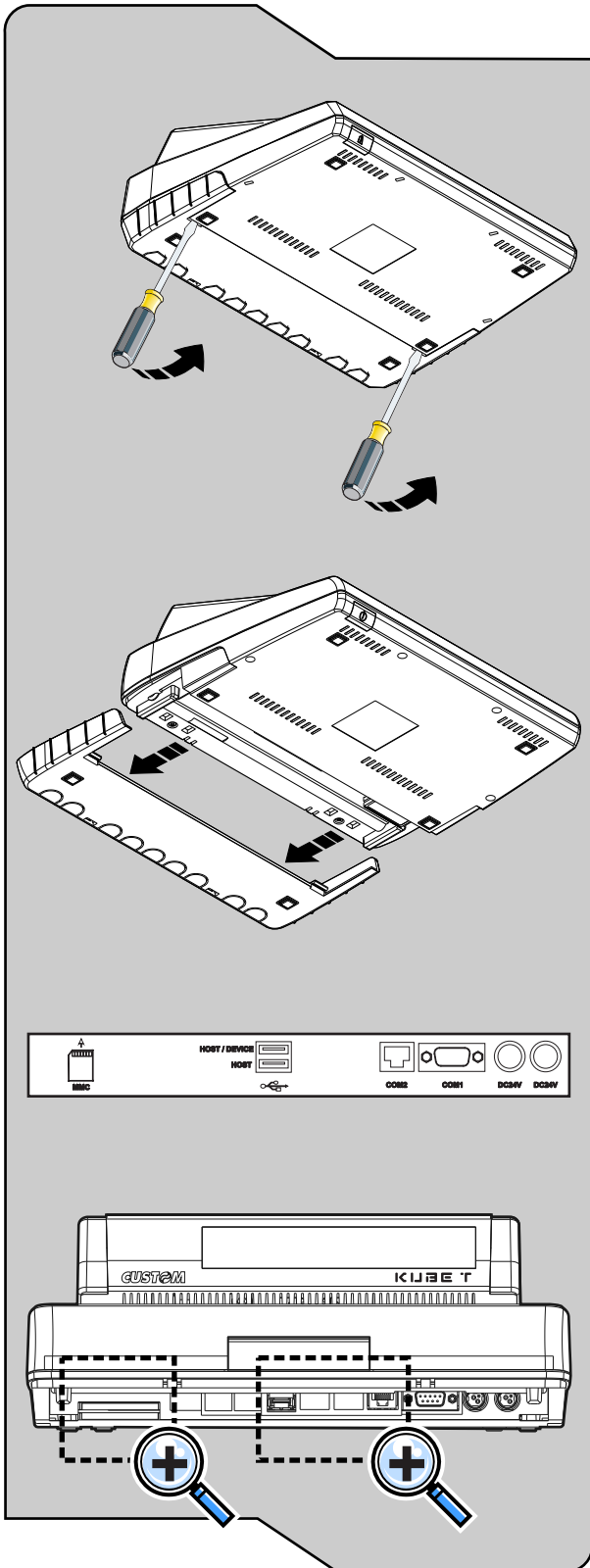


Insert the external printer power supply cable  
 Inserire il cavo di alimentazione della stampante  
 Insérer le câble pour l'alimentation de l'imprimante  
 Das Kabel in das spezielle Speisegerät stecken  
 Insertar el cable del alimentador



Insert RS232 serial interface connector  
 Inserire il connettore di interfaccia seriale RS232  
 Insérer le connecteur d'interface en série RS232  
 Den seriellen Schnittstellenverbinder einsetzen  
 Insertar el conector de interfaz serial





COM2

Insert serial interface connector  
 Inserire il connettore di interfaccia seriale  
 Insérer le connecteur d'interface en série  
 Den seriellen Schnittstellenverbinder einsetzen  
 Insertar el conector de interfaz serial

COM2

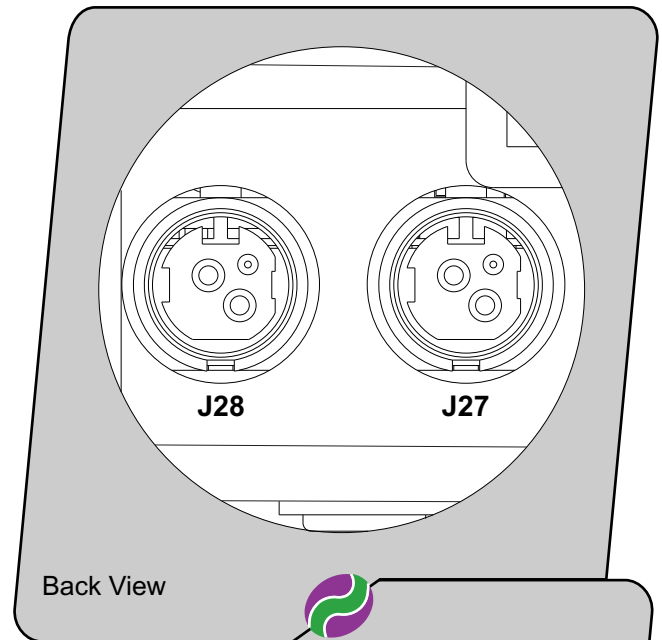
Insert USB connector (up or down)  
 Inserire il connettore USB (up o down)  
 Insérer le connecteur USB (up or down)  
 Den USB Verbinder in die Buchse stecken  
 Insertar el conector USB

Insert the MMC  
 Inserire la MMC  
 Insérer la MMC  
 Den MMC einsetzen  
 Insertar la MMC

Connector.  
 Connettore.  
 Connecteur.  
 Schnittstellen.  
 Conectador.

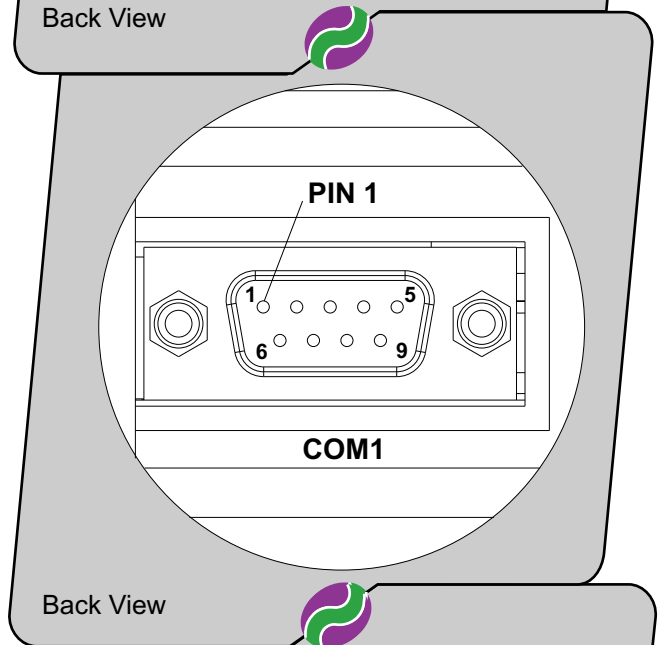
## J27, J28 - Power Supply Connectors (DC24V)

Pin no.	Signal	Description
1	GND	Ground Signal
2	+24 V	Power Supply
3	GND	Ground Signal
4	GND	Ground Signal



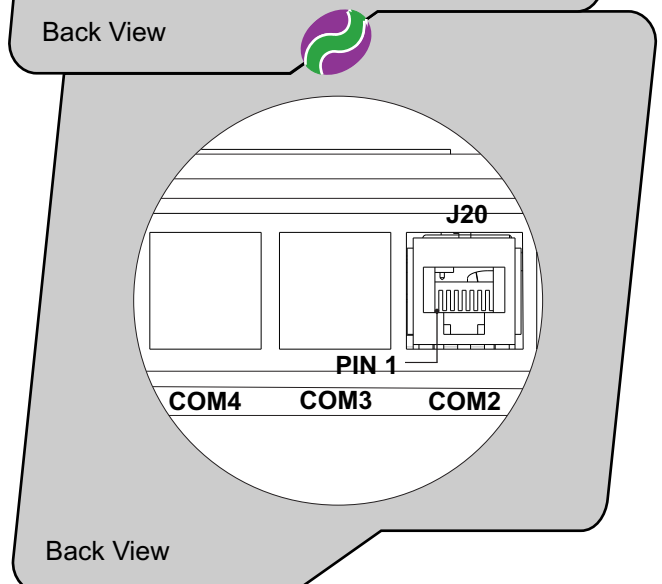
## J21 - RS232 Serial Connector COM1 (DB9M)

Pin no.	Signal	Description	I/O
1	DCD	Data Carrier Detect. Printer ON	I
2	RXD	Data Reception	I
3	TXD	Data Transmission	O
4	DTR	Data Terminal Ready	O
5	GND	Ground Signal	-
6	DSR	Data Set Ready. Printer on and operating	I
7	RTS	Ready To Send	O
8	CTS	Clear To Send. Ready to receive data	I
9	RI	Ring Indicator	I



## J20 - Serial Connector COM2 (Rj45)

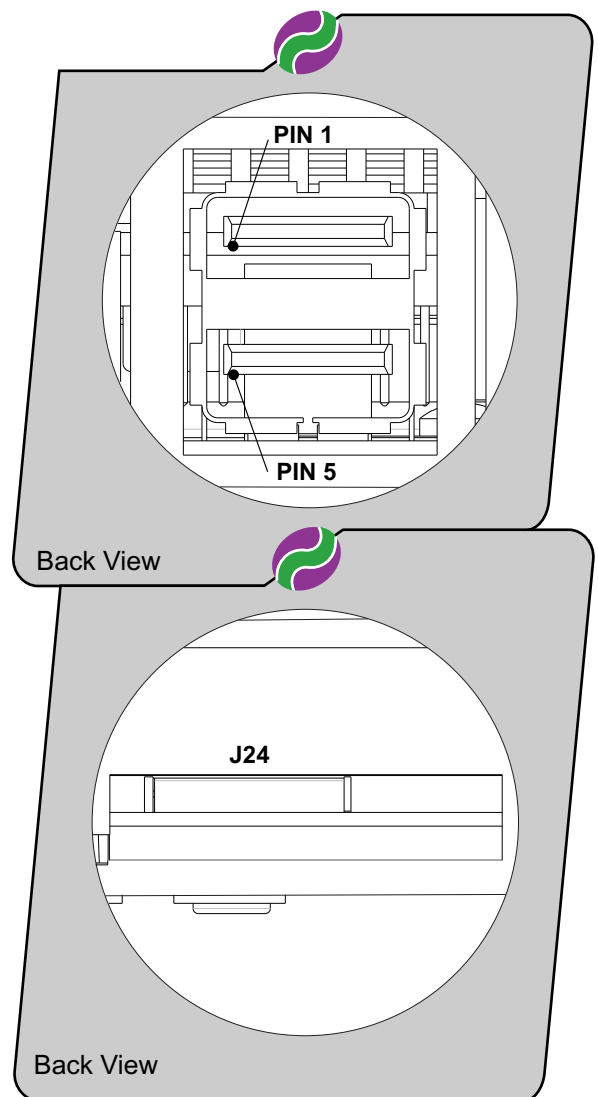
Pin no.	Signal	Description
1	CTS	Clear To Send. Ready to receive data
2	RTS	Ready To Send
3	N.C.	Not Connected
4	GND	Ground Signal
5	+24 VI	Power Supply
6	TXD	Data Transmission
7	RXD	Data Reception
8	N.C.	Not Connected



## J4 - 2 USB Connectors

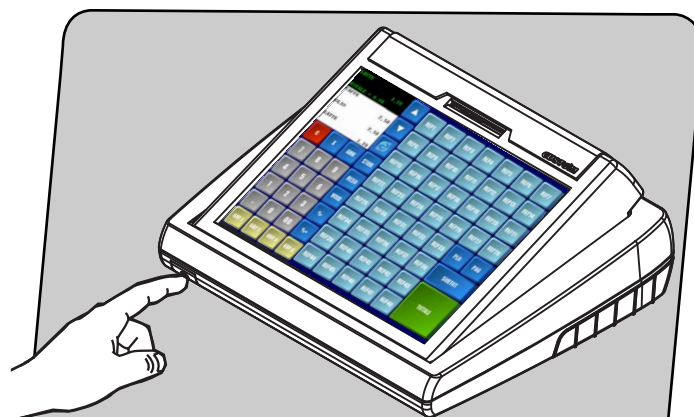
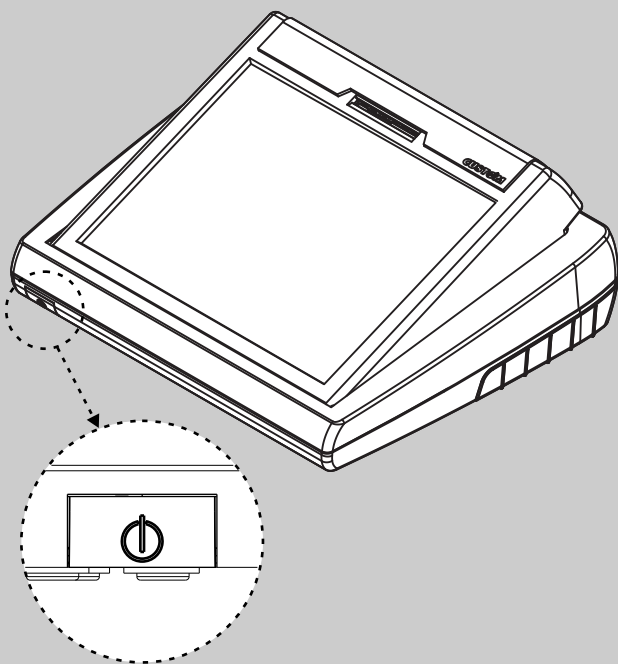
	Pin no.	Signal	Description
<b>D O W N</b>	1	VBUS0	USB Bus Supply
	2	D0-	Data +
	3	D0+	Data -
	4	GND	Ground Signal
<b>U P</b>	5	VBUS1	USB Bus Supply
	6	D1-	Data +
	7	D1+	Data -
	8	GND	Ground Signal

## J24 - MultiMedia Card Connector

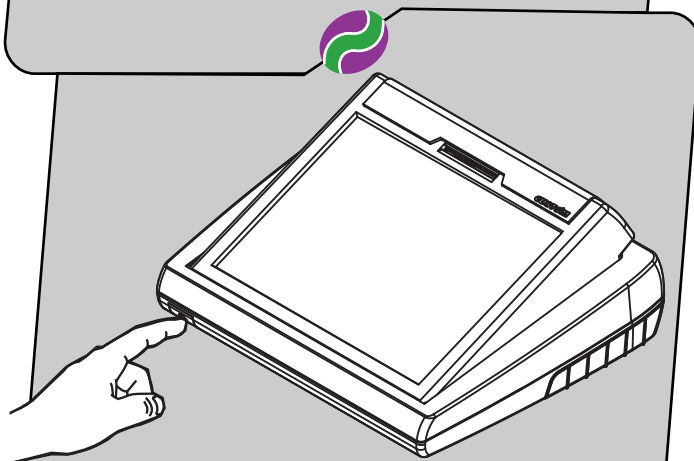


**Switch touch screen ON/OFF**  
**Accendere/Spegnere il touch screen**  
**Brancher/Éteindre le touch screen**  
**Den einwieden/ausschlaten**  
**Encender/Apagar el touch screen**

- **NOTE:** Data are stored on MultiMedia Card.
- **NOTA:** I dati prodotti vengono memorizzati sulla MultiMedia Card.



Switch printer On pressing key On/Off  
 Accendere la stampante premendo il tasto On/Off  
 Brancher l'imprimante en appuyant sur la touche On/Off  
 Schalten sie den Drucker ein drücken sie das taste On/Off  
 Conectar la impresora en apretando la tecla On/Off



Switch printer Off pressing key On/Off (4 sec.)  
 Spegnere la stampante premendo il tasto On/Off (4 sec.)  
 Eteindre l'imprimante en appuyant sur la touche On/Off (4 sec.)  
 Schalten sie den Drucker aus drücken sie das taste On/Off (4 sek.)  
 Apagar la impresora en apretando la tecla On/Off (4 seg.)

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- Screen position regulation
- Regolazione posizione schermo
- Reglement position écran
- Arreglamiento posición monitor
- Einstellung monitor

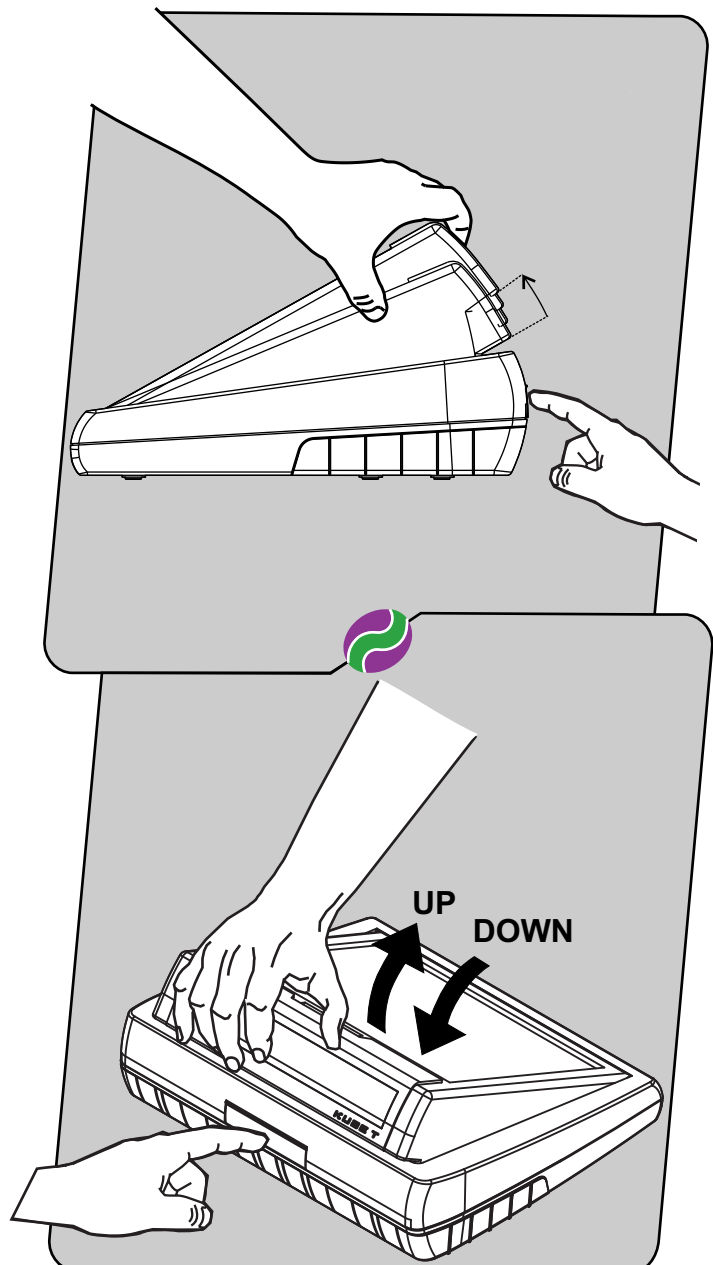
**GB** For setting the four positions of the screen, there is a button under the display, user side, as shown in picture.

**I** Per regolare lo schermo, sollevarlo o abbassarlo nelle quattro posizioni possibili, premendo il pulsante sotto al display lato utente, come mostrato in figura.

**F** Pour régler les quatre positions de l'écran, il y a un bouton au-dessous du display, du côté de l'utilisateur, comme dans la figure.

**D** Um die Einstellung des Monitor, benutzen Sie den Druckknopf, unter dem Display, wie gezeigt.

**E** Para arreglar la quatros posiciones del monitor, hay que premer el pulsante, bajo del display, lado utente, como en figura.



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**GB**

## **TROUBLESHOOTING GUIDE:**

### 1. If the touch screen don't turn on:

Problem	Step	Controls	YES/NO	Remedy
No power supply	1	The power supply cable is correctly connected	NO	Attach correctly the power supply cable
	2		YES	Attach the power supply cable on right connector
	3	The power supply cable is connected on power line 220/110V	NO	Attach correctly the power supply cable on power line 220/110V
	4	The power supply run correctly	NO	Replace the power supply as the same type

### 2. If there is a boot error:

Problem	Step	Controls	YES/NO	Remedy
Boot errors	1	The external MultiMedia Card is correctly connected on its seat	NO	Attach correctly the external MultiMedia Card on its seat
			YES	Reboot the system
	2	The external MultiMedia Card is correctly connected but the system doesn't boot	YES	Contact the Customer Service

**I**

## **GUIDA RICERCA GUASTI:**

### 1. Se il touch screen non si accende

Problema	Passo	Controlli	SI/NO	Rimedio
Mancanza di alimentazione elettrica	1	Il cavo di alimentazione è collegato correttamente	NO	Collegare correttamente il cavo di alimentazione
			SI	Collegare il cavo di alimentazione al giusto connettore
	2	Il cavo dell'alimentatore è collegato alla rete 220/110V	NO	Collegare correttamente il cavo dell'alimentatore alla rete 220/110V
	3	L'alimentatore funziona correttamente	NO	Sostituire l'alimentatore con uno analogo

### 2. Se l'applicativo o il sistema operativo non si avvia

Problema	Passo	Controlli	SI/NO	Rimedio
Errori di boot	1	La MultiMedia Card esterna è inserita correttamente nella sua sede	NO	Inserire correttamente la MultiMedia Card nella sua sede
			SI	Riavviare il sistema
	2	La MultiMedia Card è inserita correttamente ma il sistema non si riavvia	SI	Contattare il Servizio Assistenza

**GB**

## **PIXEL DEFECT CRITERIA FOR LCD TOUCH SCREEN:**

The display may have cosmetic imperfections that appear as small bright or dark spots. This is common to all LCD displays used in products supplied by all vendors. These imperfections are caused by one or more defective pixels or sub-pixels.

A pixel is composed of three sub pixels, one red, one green, and one blue. Individual defective sub pixel control circuits can cause the corresponding sub pixel to be permanently lit (red, green or blue bright dot) or may not light at all (dark dot). This is classed as a Defect Pixel.

### **INSPECTION CRITERIA**

Dot Defect	
<b>&gt; Bright Dot:</b> Dots(sub-pixels) which appeared brightly in the screen when the LCM displayed with dark pattern.	
R, G or B 1 dot	4 Max
Adjacent 2 dots	1 Max
Total amount of Bright dots	4 Max
Minimum Distance between bright dots	Within 20 mm, Max 2
<b>&gt; Dark Dot:</b> Dots(sub-pixels) which appeared darkly in the screen when the LCM displayed with bright pattern.	
1 dot	4 Max
Adjacent 2 dots	1 Max
Total amount of Dark dot	4 Max
Minimum Distance between dark dots	Within 20 mm, Max 2
<b>&gt; Total amount of Dot Defects</b>	8 Max(Combination)
Note:	a) Every dot herein means Sub-Pixel (Each Red, Green, or Blue Color) b) Bright & Dark dots are larger than half sub-pixel. (Dots smaller than half sub-pixel are not counted as a defect dots.)

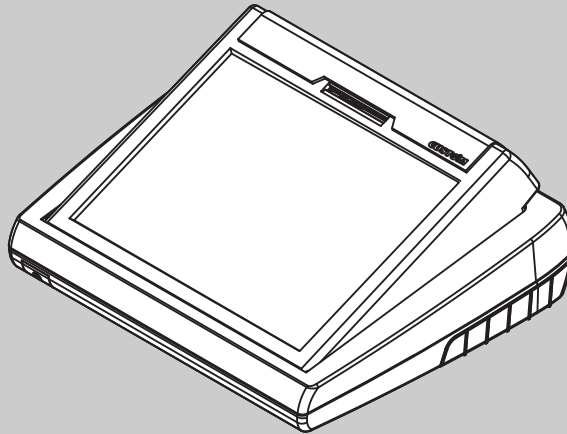
## **I POLITICA DEI DIFETTI DEI PIXEL PER LCD A SCHERMO ATTIVO:**

Tutti i display a cristalli liquidi (liquid crystal display - LCD) contengono milioni di singoli pixel e per questo motivo i difetti dei pixel e dei subpixel nei pannelli LCD sono talvolta inevitabili. Nessun produttore è in grado di garantire che tutti i pannelli siano privi di difetti dei pixel.

Ogni pixel è formato da tre sub-pixel di colore rosso, blu e verde. I difetti dovuti a punti luminosi appaiono quando alcuni pixel o subpixel restano sempre illuminati o "accesi" (i tre subpixel colorati appaiono insieme come un singolo pixel bianco) oppure quando sono sempre scuri o 'inattivi', (i tre subpixel colorati appaiono insieme come un pixel nero). Questo definisce il tipo di difetto del pixel.

### **MODALITÀ DI VALUTAZIONE**

Difetto del punto	
<b>&gt; Punti Luminosi:</b> Pixel(sub-pixels) che risultano evidenziati sullo schermo quando il monitor visualizza un motivo scuro.	
1 punto (sub-pixels rosso, verde o blu)	4 Max
2 punti adiacenti	1 Max
Totale punti luminosi	4 Max
Distanza minima tra punti luminosi	Entro 20 mm, Max 2
<b>&gt; Punti Neri:</b> Pixel (sub-pixels) che compaiono sempre scuri o 'inattivi' quando il monitor visualizza un motivo chiaro.	
1 punto	4 Max
2 punti adiacenti	1 Max
Totale punti neri	4 Max
Distanza minima tra punti neri	Entro 20 mm, Max 2
<b>&gt; Difettosità totale relativa a punti luminosi o neri di qualsiasi tipo</b>	8 Max (Combinati)
Note:	a) Per punto si intende sub-pixel (ciascun sub-pixels di colore rosso, verde o blu) b) Punti luminosi e scuri sono più larghi di mezzo sub-pixel. (Punti più piccoli di mezzo sub-pixel non sono considerati come punti difettosi.)



**Customer Service Department:**

Monday-Friday at 9-12 and 14-17  
e-mail: support@custom.it



- GB** In case of bad functioning contact the Customer Service.
- I** In caso di cattivo funzionamento chiamate l'Assistenza tecnica.
- F** En cas de mauvais fonctionnement contactez le Service Après-Vente.
- D** Für eine schlechte arbeitweise einer machine, rufen sie bitte unser kundendienst an.
- E** En lo caso de mal funcionamiento llamar al servicio tecnico.

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## A.1 TECHNICAL SPECIFICATION

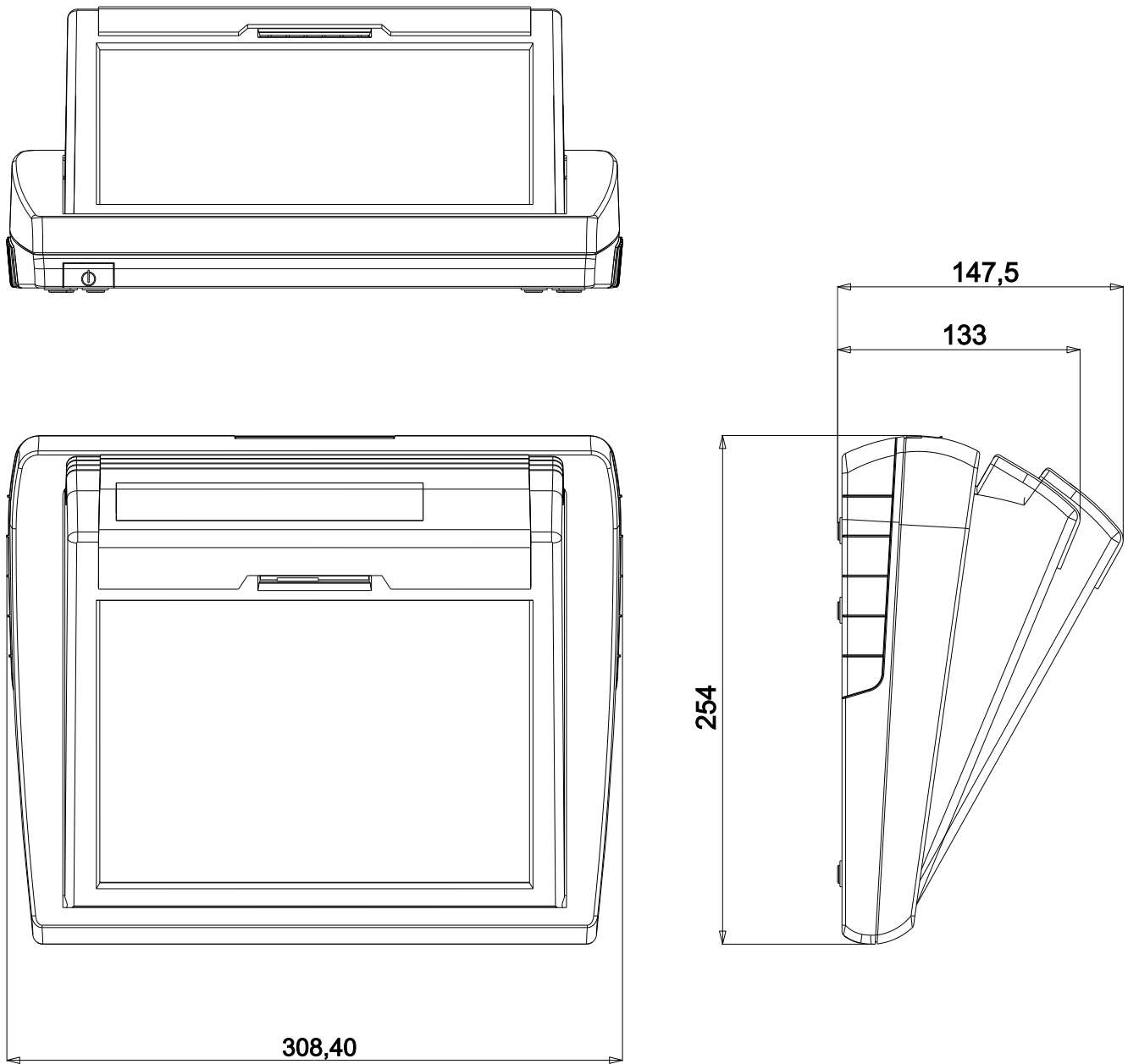
### A.1.1 TECHNICAL SPECIFICATIONS

<b>Processor</b>	Intel S3C2410 ARM Fanless
<b>Memory</b>	SDRAM 64MB Flash (for O.S.) 32 MB
<b>Multimedia Card</b>	1 slot MMC with ECR software
<b>LCD Touch Screen</b>	
Display	SVGA color TFT backlighted
Resolution	800 x 600
Active Screen Size	10,4" (264,16 mm) diagonal
Active Display Area	Horizontal : 211,2 mm
	Vertical : 158,4 mm
Pixel Pitch	0,264 mm x 0,264 mm
Pixel Format	800 horiz. by 600 vert. pixels RGB stripes arrangement
Color Depth	SW=(4-bit, 16 colors) HW=(6-bit, 262, 144 colors)
Luminance, White	250 cd/m <sup>2</sup> (Typ.)
Display Operating Mode	Transmissive mode, normally white
<b>LCD Customer Side</b>	
Display Method	Liquid crystal display backlighted
Number of characters	40 (20 characters x 2 lines)
Backlighted Color	Green
Character type	Alphanumeric : 96
	International characters set : 12
Character font	5 x 8 dot matrix
Character size	6 mm x 9,66 mm
<b>Touch Panel</b>	
Touch Panel	10,4" Resistive
Operating Temperature	- 20 °C 60 °C
Storage Temperature	- 30 °C 70 °C
Chattering Time	Less than 10 msec 100k pull-up
Input Method	Pen, pencil or finger
Activation Force	Less than 80 gr
Surface Hardness	Greater than 3H
<b>Back Panel I/O Connectors</b>	USB interface with A connector (USB1.1) to USB pen drive use as BackUP activity
	1 RS232 serial connector (DB9 pin male)
	1 RS232 serial connectors (RJ45)
	1 power supply connector DC24V for Touch Screen
	1 power supply connector DC24V for external printer
	1 MultiMedia card connector
	1 Audio output
<b>Available Communication Interfaces</b>	Serial RS232, USB
<b>Power Supply</b>	24 Vdc 10%
<b>Absorption</b>	850 mA
<b>Environmental Conditions</b>	
Operating Temperature	0°C 50 °C
Relative Humidity	10% 80% w/o condensation
Storage temperature/humidity	-20°C 70 °C / 10% 90% w/o condensation
Altitude	Operating : 0 10.000 feet (3048 m)
	Storage/shipment : 0 40.000 feet (12.192 m)
<b>Weight</b>	2,5 kg
<b>Chip card reader/writer</b>	Support ISO781613 T=0 / T=1 smart card
<b>Options</b>	MultiMedia Card with software on board with functions of an advanced cash register NAND FLASH 32 MB with Linux operative system on board

**A.1.2 DMENSIONS**

This figure illustrates the overall dimensions for the touch screen.

**(Fig. A.1)**

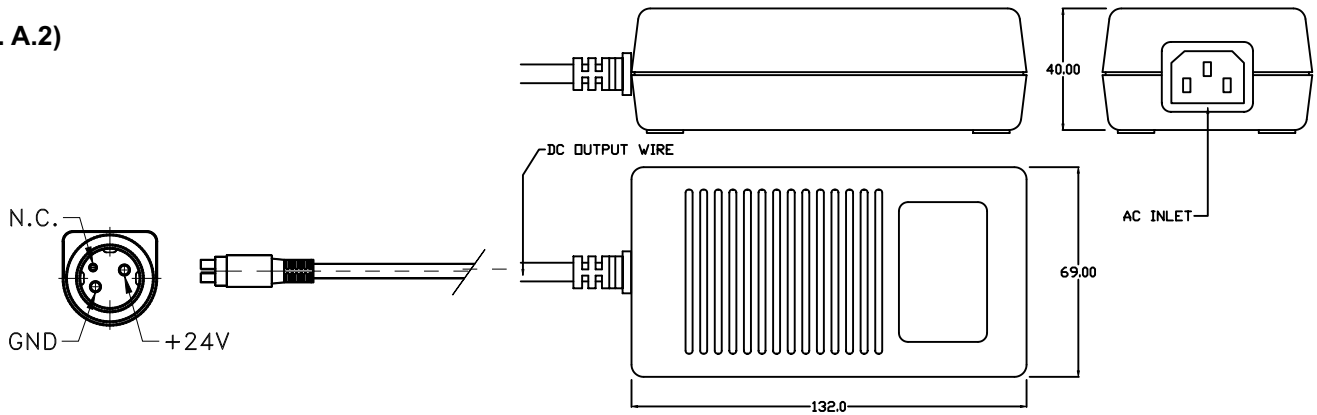


## A.2 ACCESSORIES AND SPARE PARTS

### A.2.1 POWER SUPPLY

The following figure shows the power supply, that can be used to operate the printer.

(Fig. A.2)

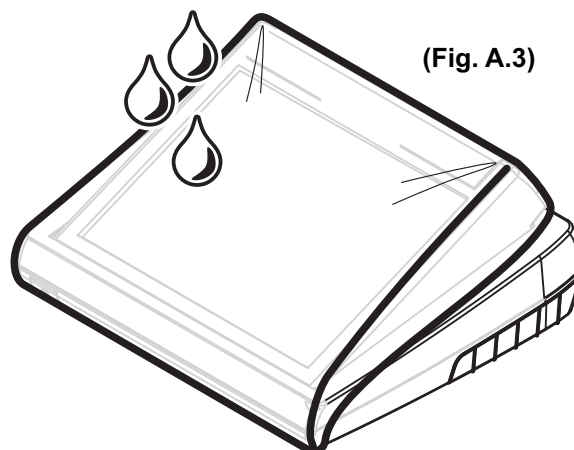


PPPW-060-24	Power Supply 24V 60W
<b>Input specifications</b>	
Input voltage	90 Vac to 264 Vac
Input frequency	47 Hz to 63 Hz
<b>Output specifications</b>	
Output voltage	24 V
<b>Power specifications</b>	
Maximum power	60 W

### A.2.2 CONNECTION CABLES

#### VACUSTODIA-TOUCH

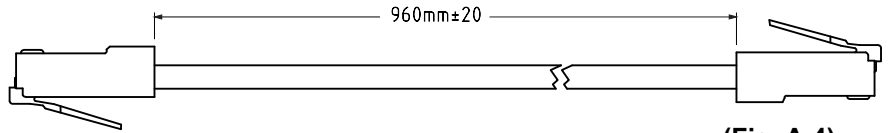
Splash Proof (Transparent water resist protection for KUBE T)



## A.2.3 CONNECTION CABLES

### CB8POLI-PLUG-01

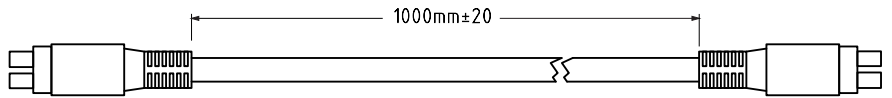
Connection cable KUBE TA ECR - CUSTOM Fiscal printer



(Fig. A.4)

### CBTOUCH-MM-T

Cable supplying male/male

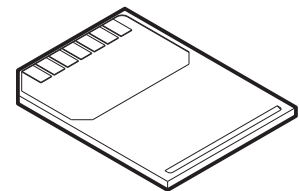
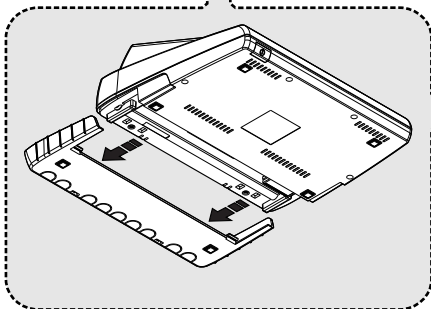
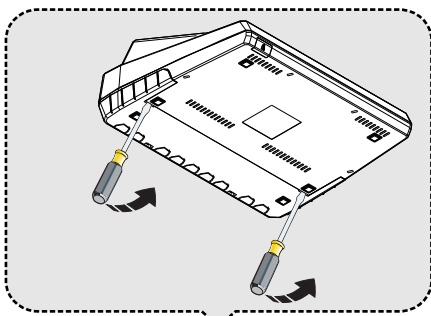


(Fig. A.5)

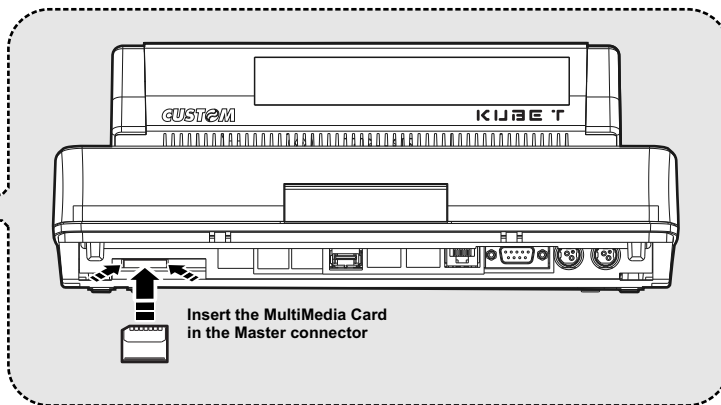
## A.2.4 KIT MMC AND SW KUBE TOUCH

### PCSKTOUCH-ECR-TA

Kit SW KUBE TOUCH (MMC with sw on board with cash drawer functions + instructions)



(Fig. A.6)



(Fig. A.7)



#### HANDLING PRECAUTIONS!

- NEVER connect or disconnect the Multimedia Card when the touch is power



#### PRECAUZIONI PER L'UTILIZZO :

- Non inserire o togliere mai la MultiMedia Card quando il touch è acceso.



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Part Number : DOMM-KUBE-TA

Rev. 1.00

- Pos
- Fiscal
- Oem
- Kiosk
- Gaming & Lottery
- Auto ID
- Wireless

